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Unsteady-Pressure and Dynamic-Deflection Measurements on an Aeroelastic Supercritical Wing

David A. Seidel, Maynard C. Sandford,
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David A. Seidel, Maynard C. Sandford,
and Clinton V. Eckstrom
Langley Research Center
Hampton, Virginia



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Abstract

Transonic steady- and unsteady-pressure tests have been conducted on a large elastic wing. The wing has a supercritical airfoil, a full-span aspect ratio of 10.3, a leading-edge sweepback angle of 28.8°, and two inboard and one outboard trailing-edge control surfaces. Only the outboard control surface was deflected statically and dynamically to generate steady and unsteady flow over the wing. This report presents the unsteady-surface-pressure and dynamic-deflection measurements of this elastic wing, in tabulated form, to permit correlations of the experimental data with theoretical predictions.

Introduction

At the NASA Langley Research Center, progress continues on a program to obtain measured unsteady pressures on several different wing configurations (refs. 1-3). The goal of this program is to generate an extensive data base of measured unsteady pressures for use in evaluating the accuracy of theoretical computational transonic aerodynamic programs. Initially, all the wing models that were tested were made as rigid as possible to minimize wing structural deformations and thereby maintain simple basic comparisons with the transonic aerodynamic programs. Recently, a flexible wing configuration was tested as part of this pressure measurement program. The flexible wing construction is similar to that of actual aircraft wings and should provide more realistic measured data for comparison with the results from the advanced transonic aerodynamic programs including the effects of aeroelastic deformations in the computational process.

This elastic wing configuration, known as the Drones for Aerodynamic and Structural Testing Aeroelastic Research Wing-2 (DAST ARW-2, ref. 4), has a full-span aspect ratio of 10.3 (excluding the area of the wing trailing-edge extension), a leading-edge sweepback angle of 28.8°, and a supercritical airfoil. The wing has three hydraulically actuated trailing-edge control surfaces and is instrumented with unsteady-pressure gages, making it extremely useful to the present unsteady-pressure-measurement program. The two inboard control surfaces were held fixed while the outboard control surface was oscillated to create the unsteady pressures. This report is one of a series of reports documenting the data acquired on the DAST ARW-2 (refs. 5-9).

The purpose of this report is to document, for future use, the measured unsteady-pressure and wing-deflection data results from an elastic wing configuration tested in the Langley Transonic Dynamics

Tunnel (TDT). All pressure results are tabulated and presented in pressure-coefficient form.

Symbols

ACC MAG	magnitude of wing accelerometer signal, G units
AMPL	amplitude of oscillations, deg
b	semichord at $y = 0$, in. (22.12 in.)
CP	pressure coefficient, $(p - P)/q$
CPSTAR	critical pressure coefficient
DELTA CP	lifting-surface pressure coefficient, lower surface CP - Upper surface CP
f	frequency, Hz
G	$= \ddot{z}/g$
g	gravity constant, 386.088 in/sec ²
H	stagnation pressure, psf
K	reduced frequency, $\frac{bw}{V}$
MACH	free-stream Mach number
P	free-stream static pressure, psf
p	local static pressure at any point on wing surface, psf
q	free-stream dynamic pressure, psf (Q in computer-generated tables)
RN	Reynolds number based on average chord of 24.812 in.
V	free-stream velocity, in/sec
X	streamwise distance measured from wing local leading edge, in.

X/c	fraction of local-chord location (X/C in computer-generated tables and figures)
x	streamwise coordinate, in.
y	spanwise coordinate, in.
z	wing vertical deflection amplitude, in.
\ddot{z}	vertical acceleration, in/sec ²
α	wing angle of attack, positive for leading edge up, deg (ALPHA in computer-generated tables)
γ	ratio of specific heat at constant pressure to specific heat at constant volume (GAMMA in computer-generated tables)
δ	control-surface angle about hinge line, positive for trailing edge down, deg (DELTA in computer-generated tables)
η	fraction of wing semispan (ETA in computer-generated tables)
ω	oscillation frequency, rad/sec

Wind Tunnel Model

General

An elastic semispan wing model is described herein. This model consisted of the right wing panel from the Drones for Aerodynamic and Structural Testing Aeroelastic Research Wing-2 (DAST ARW-2) drone flight vehicle and a rigid half-body fuselage. Both the fuselage and the wing were mounted on a remotely controlled turntable mechanism located on the tunnel sidewall. The turntable was used to adjust the model angle of attack. A photograph, looking upstream, of the complete model mounted in the tunnel is shown in figure 1. The location of the sidewall turntable and its relationship to the wing and fuselage are shown in figure 2. For all the tests contained in this report, no boundary-layer trips were used; the boundary-layer transition on the wing was left free.

Fuselage Geometry and Construction

The geometric shape of the fuselage is shown in figure 2. Fuselage coordinates and further details about the structure are given in reference 8. The rigid half-body fuselage was used primarily to place

the wing outside the wind tunnel wall boundary layer. The fuselage had a semicircular cross section. The nose and tail fuselage sections were made shorter than the actual flight fuselage. However, the center section of the fuselage was made very similar to the flight fuselage in both diameter and wing location to provide flow around the inboard section of the wing similar to that expected to occur on the flight vehicle. This fuselage shape represents that of a typical transport aircraft.

Wing Geometry, Construction, and Structural Properties

The elastic wing had a full-span aspect ratio of 10.3 (excluding the area of the wing trailing-edge extension) with a leading-edge sweepback angle of 28.8°. The planform geometry of the wing is presented in figure 3. The wing was equipped with three hydraulically actuated control surfaces, two inboard and one outboard. Their locations are also shown in figure 3. Only the outboard surface was deflected statically and dynamically during the pressure-measurement tests while both of the inboard surfaces were held fixed at 0° in relation to the wing surface. The outboard surface hinge line was located at 77 percent of the local chord.

The wing contour was the desired shape for a loaded wing associated with straight and level flight of a vehicle at a cruise Mach number of 0.8 and at an altitude of 46 800 ft with a lift coefficient of 0.53. However, an elastic wing will deform to a different shape, known as the jig shape, if all aerodynamic loads and vehicle weight loads are removed. The present wing configuration was fabricated to a set of calculated jig shape coordinates referred to as the design airfoil coordinates. Design coordinates and the measured coordinates from the actual wing cantilevered at the root chord are available from table 4 of reference 8. A detailed description of the wing construction, including how the calculated jig shape was determined, is found in reference 8. Also, reference 8 contains a detailed description of the structural properties of this elastic wing along with a structural finite-element model.

Instrumentation

The locations of the wing instrumentation are shown in figure 3. The primary instrumentation consisted of 182 pressure transducers and 10 accelerometers. In addition, strain gage bridges were located near the wing root to measure bending moments. A differential pressure gage was mounted in each supply line to the hydraulic actuator of each control surface to measure hinge moments. Small potentiometers

were used to measure the control surface angular displacement. The model angle of attack was measured by a servo accelerometer that was mounted near the wing root.

Both steady and unsteady surface pressures were obtained with differential pressure transducers referenced to the static pressure of the tunnel. Streamwise rows of upper- and lower-surface orifices were located at six span stations. The wing location of these orifices is given in table 1. Steady pressures were measured at all six span stations. Unsteady pressures were measured on only the three outermost span stations. Surface orifices were connected to pressure transducers by matched tubes (ref. 10) having an inner diameter of 0.040 in. and a length of 18 in. To determine the wind-on tube transfer functions that are needed to correct the unsteady-pressure data from these matched-tube transducers, simultaneous measurements were also obtained from a row of in situ transducers (see fig. 3) mounted on the wing upper surface parallel to the fifth row of surface orifices. Based upon the manufacturer's specifications, the unsteady-pressure transducers used are accurate to within 0.038 psi.

The 10 accelerometers were used to determine the wing dynamic deflections. The accelerometer locations are shown in figure 3 and presented in table 2. The accelerometers were mounted in the wing approximately halfway between the upper and lower surfaces.

Wind Tunnel

The tests described in this report were conducted in the Langley Transonic Dynamics Tunnel (TDT). The TDT is a closed-circuit, continuous-flow tunnel that has a 16-ft square test section with cropped corners and with slots in all four walls. Mach number and dynamic pressure can be varied simultaneously or independently, with either air or a heavy gas used as a test medium. A heavy gas was used as the medium for all the tests contained in this report.

Data Acquisition and Reduction

All data from the model instrumentation were acquired with the TDT real-time data-acquisition system (ref. 11). The pressure measurements were acquired with an electronically scanned pressure (ESP) system (ref. 12). The ESP system is a sequential, digital pressure sampling equivalent to a mechanical scanivalve. The pressure data were digitized in real time at 250 samples per second and written on magnetic tape for later analysis. Unsteady pressures were measured for 90 ESP pressure transducers and

7 in situ pressure transducers. The accelerometer and control surface position data were acquired simultaneously, digitized in real time at 1000 samples per second, and written on magnetic tape for later analysis.

All dynamic-data time histories were recorded for a minimum of 50 cycles of outboard control surface oscillation. The time histories were converted into engineering units before harmonic analysis. Discrete Fourier transforms were taken of these time histories to provide the mean value, the magnitude, and the phase angle at the frequency of the oscillating control surface for the control surface potentiometer and each pressure transducer and accelerometer. Phase angles for the pressure transducers and accelerometers were defined relative to the motion of the oscillating control surface. A phase angle is positive when a gage's oscillatory signal leads the motion of the control surface.

Before the unsteady pressures are referenced to the motion of the oscillatory control surface, their phases must be corrected to account for time lags because of the sequential sampling of channels and the finite time required for a signal to propagate from the surface to the transducer through the 18-in-long tube. The phase correction was applied in a two-step process. First, the unsteady-pressure phases were adjusted to account for both the sequential sampling time lag and a measured wind-off tube propagation time lag. The combined phase correction ranged from 0.0087 deg/Hz to 1.1 deg/Hz. A wind-on tube transfer function was then determined by comparing the phase angles measured on the row of in situ transducers with the phase angles measured on the corresponding matched-tube transducers. The difference between the phase angles was plotted as a function of local Mach number and a straight-line least-squares fit was calculated. A different wind-on tube transfer function was calculated for each variation of free-stream dynamic pressure or control surface oscillation frequency. This resulted in a total of six different transfer functions being calculated because data were taken at two different dynamic pressures ($q = 100$ and 200 psf) and three different frequencies ($f = 5, 15,$ and 20 Hz). The phase correction ranged from 5.2° to 40° . The wind-on tube transfer functions were applied to all the unsteady-pressure data as a function of free-stream dynamic pressure, control surface oscillation frequency, and local Mach number. A limited amount of unsteady-pressure data were taken at a free-stream dynamic pressure of 105 psf and, for correction purposes, were treated the same as the data acquired at $q = 100$ psf.

To determine the wing dynamic deflection, the magnitude of the accelerometer signal is used. The magnitude, which is in G units, is converted to a wing vertical deflection with the formula

$$z = \frac{\text{Magnitude} \cdot g}{(2\pi f)^2}$$

where f is the frequency of the outboard control surface oscillation and z is the wing vertical deflection amplitude in inches.

Presentation of Dynamic Data

A summary of the test conditions is presented in table 3 for convenience in identifying and locating a desired set of dynamic data. Data were obtained for multiple values of Mach number and dynamic pressure shown in figure 4. The Reynolds number (based on the average chord) varied from 2.4 to 1.8 million at Mach numbers of 0.6 to 0.85, respectively, at a dynamic pressure of 100 psf. Model parameter variations included an angle of attack of 0° and 2° and dynamic control-surface deflection amplitudes of 1° , 2° , and 3° . The data presented in the following sections are available in electronic form from the authors.

Surface-Pressure Measurements

The surface-pressure measurements are given in coefficient form in table 4. Each test condition is identified by a point number that is located in the first column of table 3 and in the upper left-hand corner of each page of table 4. Given at the top of table 4 for each test condition are three lines listing the wind tunnel and model parameters determined at the time the data were acquired. Underneath, labelled as "ANALYZED VALUES," are the outboard control-surface mean angle (MEAN), amplitude of oscillation (AMPL), OSCILLATION FREQUENCY, and reduced frequency (K) as determined by analyzing the outboard control-surface potentiometer data using a discrete Fourier transform as previously described. The "ANALYZED VALUES" of control-surface position and frequency do not precisely match the values determined when the data were recorded (listed on the line above) because a much longer time-record length was used when post-processing the data, resulting in slightly different but more accurate values. Next given in table 4 for each test condition are the fractional span location of the transducer row (ETA), the fraction of local-chord location (X/C), the upper-surface mean pressure coefficient (UPPER CP MEAN), the upper-surface

harmonic pressure magnitude and phase angle (UPPER CP MAGNITUDE and UPPER CP PHASE), the lower-surface mean pressure coefficient (LOWER CP MEAN), the lower-surface harmonic pressure magnitude and phase angle (LOWER CP MAGNITUDE and LOWER CP PHASE), the difference or lifting-surface mean pressure coefficient (DELTA CP MEAN), and the difference or lifting-surface harmonic pressure magnitude and phase angle (DELTA CP MAGNITUDE and DELTA CP PHASE). These values are listed for each of the three different streamwise rows of pressure transducers at which model unsteady-pressure measurements were taken. The data for $\eta = 0.875$, listed near the bottom of the table, are from the in situ transducers. The data for $\eta = 0.981$, listed at the bottom of the table, are for a lower-surface transducer on the sixth row of surface orifices ($\eta = 0.972$) for which the spanwise location was moved to avoid interference with internal wing components.

Wing Deflections

The wing dynamic deflection measurements are given in table 5. Each test condition is identified by a point number that is located in the first column of table 3 and in the upper left-hand corner of each page of table 5. Given at the top of table 5, as in table 4, are four lines listing the wind tunnel and model parameters. Next given are the accelerometer's position in x and y (X and Y), the calculated wing vertical deflection amplitude in inches (DEFLECTION), the phase angle of the accelerometer signal in degrees (PHASE), and the magnitude of the accelerometer signal in G units (ACC MAG).

Concluding Remarks

Subsonic and transonic unsteady-pressure and dynamic-wing-deflection measurement results from tests conducted in the Langley Transonic Dynamic Tunnel on a large elastic wing model have been presented. No discussion of the data was included. The wing has a supercritical airfoil, a full-span aspect ratio of 10.3, and a sweepback angle of 28.8° . These experimental results are intended to aid in the development and validation of transonic flow theories.

NASA Langley Research Center
Hampton, VA 23665-5225
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Table 1. Location of Static- and Unsteady-Pressure Orifices and In Situ Transducers

Chord number	1	2	3	^a 4	^a 5	^a 6	^b 7
Semispan, in.	31.25	54.25	68.25	80.50	99.20	110.75	99.70
Percent of semispan	27.4	47.6	59.9	70.7	87.1	97.2	87.5
Local chord, in.	30.900	22.571	20.241	18.202	15.090	13.167	15.006
x value at leading edge, in.	17.172	29.811	37.505	44.236	54.512	60.859	54.787
Upper chordwise location: $(X/c)/$ Distance from local leading edge in inches							
	0.025/0.773	0.025/0.565	0.025/0.506	0.025/0.455	0.025/0.377	0.025/0.329	
	.078/2.411	.088/1.987	.088/1.781	.087/1.584	.084/1.268	.092/1.211	
	.131/4.048	.151/3.409	.151/3.056	.148/2.694	.143/2.158	.162/2.107	0.143/2.146
	.184/5.686	.215/4.853	.214/4.331	.209/3.804	.202/3.048	.227/2.989	.202/3.031
	.247/7.633	.292/6.591	.290/5.869	.294/5.352	.301/4.542	.294/3.871	.301/4.517
	.331/10.228	.351/7.923	.348/7.043	.350/6.371	.354/5.342	.362/4.767	
	.415/12.824	.409/9.232	.406/8.217	.407/7.408	.407/6.142	.430/5.662	.407/6.108
	.499/15.419	.468/10.564	.464/9.391	.463/8.428	.460/6.941	.497/6.544	
	.561/17.335	.526/11.873	.522/10.565	.519/9.447	.513/7.741	.565/7.440	.513/7.698
	.621/19.189	.585/13.204	.581/11.759	.579/10.539	.566/8.541	.632/8.322	
	.682/21.074	.658/14.852	.654/13.237	.659/11.995	.680/10.261	.700/9.217	.680/10.204
	.736/22.743	.739/16.680	.735/14.877	.739/13.451	.742/11.197	.767/10.099	
	.809/24.998	.821/18.531	.817/16.536	.819/14.908	.830/12.525	.835/10.995	.830/12.455
	.884/27.316	.902/20.359	.899/18.196	.899/16.364	.910/13.732	.902/11.877	
	.930/28.737	.990/22.346	.990/20.038	.990/18.020	.990/14.939	.990/13.036	
	.990/30.591						
Lower chordwise location: $(X/c)/$ Distance from local leading edge in inches							
	0.025/0.773	0.025/0.565	0.025/0.506	0.025/0.455	0.025/0.377	0.025/0.329	
	.078/2.411	.088/1.987	.088/1.781	.087/1.584	.084/1.268	.092/1.211	
	.131/4.048	.151/3.409	.151/3.056	.148/2.694	.143/2.158	^c .126/1.659	
	.184/5.686	.215/4.853	.214/4.331	.209/3.804	.202/3.048	.227/2.989	
	.247/7.633	.292/6.591	.290/5.869	.294/5.352	.301/4.542	.294/3.871	
	.331/10.228	.351/7.923	.348/7.043	.350/6.371	.354/5.342	.362/4.767	
	.415/12.824	.409/9.232	.406/8.217	.407/7.408	.407/6.142	.430/5.662	
	.499/15.419	.468/10.564	.464/9.391	.463/8.428	.460/6.941	.497/6.544	
	.561/17.335	.526/11.873	.522/10.565	.519/9.447	.513/7.741	.565/7.440	
	.621/19.189	.585/13.204	.581/11.759	.579/10.539	.566/8.541	.632/8.322	
	.682/21.074	.658/14.852	.654/13.237	.659/11.995	.680/10.261	.700/9.217	
	.736/22.743	.739/16.680	.735/14.877	.739/13.451	.742/11.197	.767/10.099	
	.809/24.998	.821/18.531	.817/16.536	.819/14.908	.830/12.525	.835/10.995	
	.884/27.316	.902/20.359	.899/18.196	.899/16.364	.910/13.732	.902/11.877	
	.930/28.737	^c .977/22.052	^c .973/19.694	^c .974/17.729	^c .975/14.713	^c .973/12.812	
	^c .975/30.128						

^aUnsteady-pressure data obtained for these three outboard chords.^bIn situ transducers used for calibration.^cDifferent from the corresponding orifice on upper surface.

Table 2. Location of Wing Accelerometers

Accelerometer number	x , in.	y , in.
1	19.17	22.78
2	30.06	22.78
3	38.85	61.52
4	47.35	61.52
5	49.25	82.00
6	57.43	84.10
7	54.19	91.72
8	60.96	92.00
9	61.95	107.00
10	67.65	107.00

Table 3. Summary of Unsteady-Pressure and Dynamic-Deflection Test Program

Point number	Mach number	Dynamic pressure, psf	Angle of attack, deg	δ (mean), deg	δ (amplitude), deg	Oscillation frequency, Hz
892	0.60	100	0	0	1	5
893	.60	100	0	0	2	5
894	.60	100	0	0	3	5
895	.60	100	0	0	1	15
896	.60	100	0	0	2	15
897	.60	100	0	0	3	15
898	.60	100	0	0	1	20
899	.60	100	0	0	2	20
900	.60	100	0	0	3	20
902	.60	100	2	0	1	5
903	.60	100	2	0	2	5
904	.60	100	2	0	3	5
905	.60	100	2	0	1	15
906	.60	100	2	0	2	15
907	.60	100	2	0	3	15
908	.60	100	2	0	1	20
909	.60	100	2	0	2	20
910	.60	100	2	0	3	20
869	.70	100	0	0	1	5
870	.70	100	0	0	2	5
872	.70	100	0	0	3	5
873	.70	100	0	0	1	15
874	.70	100	0	0	2	15
875	.70	100	0	0	3	15
876	.70	100	0	0	1	20
877	.70	100	0	0	2	20
878	.70	100	0	0	3	20
880	.70	100	2	0	1	5
881	.70	100	2	0	2	5
884	.70	100	2	0	3	5
885	.70	100	2	0	1	15
886	.70	100	2	0	2	15
887	.70	100	2	0	3	15
888	.70	100	2	0	1	20
889	.70	100	2	0	2	20
890	.70	100	2	0	3	20

Table 3. Continued

Point number	Mach number	Dynamic pressure, psf	Angle of attack, deg	δ (mean), deg	δ (amplitude), deg	Oscillation frequency, Hz
837	0.80	100	0	0	1	5
838	.80	100	0	0	2	5
839	.80	100	0	0	3	5
840	.80	100	0	0	1	15
841	.80	100	0	0	2	15
842	.80	100	0	0	3	15
843	.80	100	0	0	1	20
844	.80	100	0	0	2	20
845	.80	100	0	0	3	20
826	.80	100	2	0	1	5
^a 827	.80	100	2	0	2	5
828	.80	100	2	0	3	5
829	.80	100	2	0	1	15
830	.80	100	2	0	2	15
831	.80	100	2	0	3	15
832	.80	100	2	0	1	20
833	.80	100	2	0	2	20
834	.80	100	2	0	3	20
808	.85	100	0	0	1	5
809	.85	100	0	0	2	5
810	.85	100	0	0	3	5
811	.85	100	0	0	1	15
812	.85	100	0	0	2	15
813	.85	100	0	0	3	15
814	.85	100	0	0	1	20
815	.85	100	0	0	2	20
816	.85	100	0	0	3	20
817	.85	100	2	0	1	5
818	.85	100	2	0	2	5
819	.85	100	2	0	3	5
820	.85	100	2	0	1	15
821	.85	100	2	0	2	15
822	.85	100	2	0	3	15
823	.85	100	2	0	1	20
824	.85	100	2	0	2	20
825	.85	100	2	0	3	20

^aNo pressure data available.

Table 3. Continued

Point number	Mach number	Dynamic pressure, psf	Angle of attack, deg	δ (mean), deg	δ (amplitude), deg	Oscillation frequency, Hz
993	0.80	105	0	0	1	5
995	.80	105	0	0	2	5
996	.80	105	0	0	3	5
997	.80	105	0	0	1	15
998	.80	105	0	0	2	15
999	.80	105	0	0	3	15
1001	.80	105	0	0	1	20
1002	.80	105	0	0	2	20
1001	.80	105	0	0	3	20
984	.80	105	2	0	1	5
985	.80	105	2	0	2	5
986	.80	105	2	0	3	5
987	.80	105	2	0	1	15
988	.80	105	2	0	2	15
989	.80	105	2	0	3	15
990	.80	105	2	0	1	20
991	.80	105	2	0	2	20
992	.80	105	2	0	3	20
577	.60	200	0	0	1	5
578	.60	200	0	0	2	5
579	.60	200	0	0	3	5
580	.60	200	0	0	1	15
583	.60	200	0	0	2	15
584	.60	200	0	0	3	15
585	.60	200	0	0	1	20
586	.60	200	0	0	2	20
587	.60	200	0	0	3	20
590	.60	200	2	0	1	5
^a 591	.60	200	2	0	2	5
592	.60	200	2	0	3	5
593	.60	200	2	0	1	15
	.60	200	2	0	2	15
	.60	200	2	0	3	15
^b 598	.60	200	2	0	1	20
599	.60	200	2	0	2	20
600	.60	200	2	0	3	20
528	.70	200	0	0	1	5
529	.70	200	0	0	2	5
530	.70	200	0	0	3	5

^aNo pressure data available.^bNo deflection data available.

Table 3. Concluded

Point number	Mach number	Dynamic pressure, psf	Angle of attack, deg	δ (mean), deg	δ (amplitude), deg	Oscillation frequency, Hz
531	0.70	200	0	0	1	15
533	.70	200	0	0	2	15
534	.70	200	0	0	3	15
535	.70	200	0	0	1	20
536	.70	200	0	0	2	20
537	.70	200	0	0	3	20
538	.70	200	2	0	1	5
539	.70	200	2	0	2	5
540	.70	200	2	0	3	5
541	.70	200	2	0	1	15
542	.70	200	2	0	2	15
543	.70	200	2	0	3	15
544	.70	200	2	0	1	20
545	.70	200	2	0	2	20
546	.70	200	2	0	3	20
506	.80	200	0	0	1	5
507	.80	200	0	0	2	5
508	.80	200	0	0	3	5
509	.80	200	0	0	1	15
510	.80	200	0	0	2	15
511	.80	200	0	0	3	15
512	.80	200	0	0	1	20
513	.80	200	0	0	2	20
514	.80	200	0	0	3	20
^a 518	.80	200	2	0	1	5
^a 519	.80	200	2	0	2	5
520	.80	200	2	0	3	5
521	.80	200	2	0	1	15
522	.80	200	2	0	2	15
523	.80	200	2	0	3	15
524	.80	200	2	0	1	20
525	.80	200	2	0	2	20
526	.80	200	2	0	3	20
937	.85	200	0	0	1	5
938	.85	200	0	0	2	5
939	.85	200	0	0	3	5
940	.85	200	0	0	1	15
941	.85	200	0	0	2	15
942	.85	200	0	0	3	15
943	.85	200	0	0	1	20
944	.85	200	0	0	2	20
945	.85	200	0	0	3	20

^aNo pressure data available.

Table 4. Measured Unsteady-Pressure Data

UNSTEADY PRESSURES -					TDT TEST 367					
POINT NUMBER 506		MACH = .803		RN = 3.798*10E6		H = 787.550 PSF		ALPHA = -.018 DEG		
		Q = 201.125 PSF		GAMMA = 1.133		P = 551.125 PSF		CPSTAR = -.478		
		DELTA (MEAN) = -.091 DEG		DELTA (AMPL) = 1.002 DEG		OSCILLATION FREQUENCY = 5.054 HZ		K = .146		
ANALYZED VALUES :		DELTA (MEAN) = .098 DEG		DELTA (AMPL) = .970 DEG		OSCILLATION FREQUENCY = 5.061 HZ		K = .146		
	X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-.7447	.0138	-1.340	-.3751	.0120	-174.824	.3696	.0258	-178.309
	.087	-.5673	.0086	-.310	-.4097	.0068	-153.224	.1576	.0150	-168.380
	.148	-.5311	.0081	8.365	-.3932	.0063	-145.618	.1380	.0140	-160.280
	.209	-.5095	.0067	17.895	-.3300	.0044	-158.243	.1795	.0111	-160.574
	.294	-.5783	.0040	38.559	-.3906	.0028	162.092	.1877	.0060	-164.262
	.350	-.5820	.0032	33.201	-.4083	.0034	115.236	.2737	.0043	-162.223
	.407	-.6080	.0044	56.069	-.3429	.0009	123.640	.2650	.0041	-135.520
	.463	-.5943	.0082	69.171	-.3992	.0019	94.607	.1951	.0065	-118.002
	.519	-.5356	.0024	38.010	-.2997	.0003	70.442	.2358	.0022	-146.276
	.579	-.5803	.0065	132.453	-.1775	.0016	-93.324	.4028	.0077	-56.109
	.659	-.5064	.0040	114.477	.0095	.0018	-68.006	.5159	.0058	-66.294
	.739	-.4166	.0025	-163.339	.1578	.0025	-76.005	.5743	.0035	-29.672
	.819	-.3278	.0019	165.430	.2926	.0014	-89.654	.6204	.0026	-45.471
	.899	-.1326	.0008	-148.439	.3484	.0003	29.178	.4810	.0011	30.911
	.974				.2713	.0011	60.247			
	.990	.0905	.0002	121.104						
ETA = .871	.025	-.4767	.0190	7.891	-.3739	.0172	-164.165	.1028	.0361	-168.335
	.084	-.5155	.0141	16.565	-.3988	.0090	-164.436	.1168	.0231	-163.825
	.143	-.4843	.0089	21.027	-.3696	.0044	-145.183	.1147	.0132	-154.421
	.202	-.5281	.0083	27.344	-.4073	.0026	-153.078	.1207	.0109	-152.757
	.301	-.4144	.0019	159.086	-.5132	.0058	-47.090	-.0989	.0076	-40.717
	.354	-.4656	.0048	97.007	-.3955	.0069	-22.456	.0701	.0102	-46.744
	.407	-.4314	.0066	130.678	-.4045	.0085	-10.288	.0269	.0142	-27.251
	.460	-.5206	.0108	142.703	-.3703	.0116	2.624	.1503	.0211	-16.593
	.513	-.5339	.0141	-166.514	-.2890	.0158	3.416	.2450	.0298	8.164
	.566	-.4808	.0223	-171.863	-.2244	.0195	3.858	.2564	.0418	6.141
	.680	-.3337	.0321	-176.439	.0097	.0216	5.071	.3435	.0537	4.168
	.742	-.2182	.0372	-176.506	.1202	.0246	6.379	.3384	.0618	4.643
	.830	-.1979	.0235	-177.565	.3038	.0173	9.020	.5017	.0407	5.227
	.910	-.0343	.0036	126.437	.3772	.0112	7.566	.4114	.0133	-6.128
	.975				.3147	.0048	23.641			
	.990	.1254	.0056	171.893						
ETA = .972	.025	-.5392	.0153	24.072	-.4703	.0169	-148.381	.0688	.0321	-151.967
	.092	-.5488	.0067	35.061	-.4120	.0069	-134.764	.1368	.0135	-139.777
	.126				-.4321	.0053	-95.994			
	.160	-.6548	.0053	96.195						
	.227	-.4600	.0039	166.422	-.4317	.0058	-9.561	.0283	.0097	-11.176
	.294	-.3288	.0030	-153.872	-.3634	.0066	3.750	-.0346	.0094	10.696
	.362	-.3707	.0063	159.070	-.3029	.0071	6.385	.0678	.0130	-6.441
	.430	-.3501	.0099	160.506	-.2968	.0081	11.462	.0532	.0174	-5.602
	.497	-.3382	.0113	170.701	-.2774	.0080	11.226	.0608	.0190	-.810
	.565	-.2877	.0109	178.997	-.1739	.0076	16.967	.1137	.0183	6.366
	.632	-.2951	.0099	-169.308	-.0297	.0046	20.327	.2654	.0145	13.745
	.700	-.2589	.0101	-169.631	.0927	.0030	19.177	.3516	.0131	12.383
	.767	-.1920	.0066	-169.218	.2270	.0010	-63.160	.4189	.0069	2.827
	.835	-.1345	.0046	177.568	.3092	.0024	-167.442	.4438	.0024	-17.651
	.902	-.0781	.0043	178.366	.3182	.0033	172.098	.3962	.0011	17.827
	.973				.2120	.0028	155.031			
	.990	.0655	.0020	158.919						
ETA = .875	.084									
	.143	-.5374	.0066	27.248						
	.202	-.4877	.0075	21.786						
	.301									
	.407	-.5007	.0095	173.884						
	.513									
	.680	-.2866	.0320	-173.385						
	.830	-.1871	.0216	-171.414						
ETA = .981	.160				-.4297	.0023	-10.033			

Table 4. Continued

U N S T E A D Y P R E S S U R E S - TDT TEST 367

POINT NUMBER 507

MACH = .802 RN = 3.794*10E6
Q = 201.101 PSF GAMMA = 1.132
DELTA (MEAN) = -.073 DEG DELTA (AMPL) = 2.053 DEG

H = 788.400 PSF ALPHA = -.018 DEG
P = 552.075 PSF CPSTAR = -.479
OSCILLATION FREQUENCY = 5.054 HZ K = .146

ANALYZED VALUES : DELTA (MEAN) = .098 DEG DELTA (AMPL) = 2.021 DEG OSCILLATION FREQUENCY = 5.056 HZ K = .146

[illegible]

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367									
POINT NUMBER 508	MACH = .800	RN = 3.785*10E6	H = 788.325 PSF	ALPHA = -.017 DEG					
	Q = 200.331 PSF	GAMMA = 1.132	P = 553.125 PSF	CPSTAR = -.486					
	DELTA (MEAN) = -.085 DEG	DELTA (AMPL) = 3.077 DEG	OSCILLATION FREQUENCY = 5.054 HZ	K = .146					
ANALYZED VALUES :	DELTA (MEAN) = .174 DEG	DELTA (AMPL) = 3.016 DEG	OSCILLATION FREQUENCY = 5.056 HZ	K = .146					
X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-.7424	.0466	-3.901	-.3745	.0358	177.671	.3679	.0824
	.087	-.5651	.0252	-.255	-.4082	.0199	-174.695	.1568	.0450
	.148	-.5262	.0193	4.420	-.3906	.0149	-163.519	.1355	.0340
	.209	-.5067	.0155	5.081	-.3279	.0150	-166.049	.1789	.0304
	.294	-.5738	.0120	30.446	-.3880	.0099	-172.267	.1857	.0215
	.350	-.5769	.0108	29.581	-.4051	.0077	-178.981	.1718	.0179
	.407	-.6033	.0104	22.145	-.3404	.0083	-164.862	.2629	.0187
	.463	-.5837	.0161	42.860	-.3983	.0038	-145.399	.1855	.0199
	.519	-.5331	.0066	30.717	-.2992	.0028	-106.864	.2339	.0089
	.579	-.5777	.0054	117.451	-.1763	.0037	-69.405	.4014	.0091
	.659	-.5006	.0100	159.622	.0084	.0040	-43.406	.5091	.0138
	.739	-.4149	.0103	163.163	.1559	.0028	-46.327	.5709	.0128
	.819	-.3287	.0083	171.764	.2944	.0019	-114.720	.6231	.0080
	.899	-.1334	.0049	176.009	.3496	.0031	-154.053	.4829	.0027
	.974				.2711	.0013	-125.155		.38.941
	.990	.0892	.0014	-97.806					
ETA = .871	.025	-.4802	.0607	3.429	-.3713	.0518	-171.202	.1089	.1124
	.084	-.5122	.0407	12.620	-.3935	.0307	-169.942	.1187	.0714
	.143	-.4789	.0222	18.284	-.3644	.0158	-158.112	.1154	.0390
	.202	-.5203	.0178	32.178	-.4027	.0075	-127.323	.1176	.0233
	.301	-.4110	.0102	85.936	-.5110	.0148	-118.308	.1000	.0139
	.354	-.4578	.0150	150.117	-.3919	.0201	-116.606	.0659	.0349
	.407	-.4577	.0150	143.011	-.3691	.0302	-11.673	.0283	.0444
	.460	-.5164	.0323	163.661	-.3645	.0396	-6.014	.1524	.0716
	.513	-.5243	.0465	167.270	-.2834	.0462	-1.163	.2412	.0932
	.566	-.4723	.0676	173.304	-.2184	.0539	1.107	.2539	.1232
	.680	-.3331	.0928	-177.471	.0212	.0639	2.822	.3443	.1607
	.742	-.2190	.1108	-176.399	.1214	.0784	3.062	.3405	.1892
	.830	-.1970	.0745	-175.232	.3757	.0778	5.575	.5027	.1223
	.910	-.0402	.0098	149.902	.3150	.0333	5.204	.4199	.0417
	.975					.0133	6.629		
	.990	.1221	.0162	-175.558					
ETA = .972	.025	-.5402	.0517	26.533	-.4695	.0480	-151.672	.0707	.0997
	.092	-.5463	.0216	43.473	-.4081	.0172	-127.737	.1382	.0387
	.126				-.4277	.0111	-106.821		.132.631
	.160	-.6447	.0135	81.616	-.4263	.0134	-28.788	.0276	.0287
	.227	-.4540	.0153	153.697	-.3619	.0170	-11.956	.0350	.0317
	.294	-.3269	.0147	162.581	-.3000	.0166	-2.191	.0705	.0381
	.362	-.3705	.0216	171.774	-.2926	.0242	3.566	.0555	.0595
	.430	-.3481	.0263	-178.638	-.2750	.0379	1.547	.0623	.0593
	.497	-.3337	.0285	174.319	-.1740	.0354	4.151	.1136	.0593
	.565	-.2876	.0303	-179.440	-.0303	.0201	7.283	.2646	.0593
	.632	-.2948	.0323	178.805	.0921	.0136	7.615	.3494	.0437
	.700	-.2573	.0300	-178.739	.2265	.0032	17.152	.4158	.0248
	.767	-.1892	.0236	-175.469	.3085	.0052	164.104	.4425	.0148
	.835	-.1340	.0198	178.712	.3158	.0108	-179.446	.3932	.0045
	.902	-.0774	.0153	178.479	.2101	.0062	174.693		
	.973								
	.990	.0667	.0021	127.341					
ETA = .875	.084	-.5304	.0291	30.585					
	.143	-.4859	.0169	34.000					
	.202								
	.301	-.4910	.0213	135.656					
	.407								
	.513	-.2851	.0898	-179.226					
	.680	-.1809	.0722	-174.749					
	.830								
ETA = .981	.160				-.4234	.0092	-45.906		

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367										
POINT NUMBER 509	MACH = .800		RN = 3.786*10E6		H = 789.175 PSF		ALPHA = -.019 DEG			
	Q = 200.665 PSF		GAMMA = 1.132		P = 553.550 PSF		CPSTAR = -.485			
	DELTA (MEAN) = .065 DEG		DELTA (AMPL) = 1.046 DEG		OSCILLATION FREQUENCY = 15.120 HZ		K = .437			
ANALYZED VALUES :	DELTA (MEAN) = .245 DEG		DELTA (AMPL) = 1.049 DEG		OSCILLATION FREQUENCY = 15.010 HZ		K = .434			
	X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-.7483	.0085	-120.664	-.3754	.0059	16.954	.3730	.0135	42.149
	.087	-.5675	.0025	-94.923	-.4091	.0054	28.650	.1583	.0071	45.722
	.148	-.5070	.0032	-134.779	-.3913	.0051	23.692	.1357	.0082	31.965
	.209	-.5072	.0031	-90.260	-.3295	.0036	8.111	.1777	.0051	45.238
	.294	-.5072	.0021	-44.720	-.3886	.0083	33.824	.1865	.0063	30.182
	.350	-.5077	.0023	-146.026	-.4063	.0005	42.475	.1714	.0028	35.489
	.407	-.6004	.0023	39.375	-.3400	.0060	11.018	.2604	.0041	-4.345
	.463	-.5819	.0096	120.438	-.4006	.0031	64.540	.1813	.0083	-41.480
	.519	-.5321	.0033	115.389	-.3001	.0037	8.179	.2320	.0056	-25.804
	.579	-.5792	.0046	111.011	-.1777	.0045	27.076	.4015	.0061	-21.656
	.659	-.5052	.0054	136.331	.0060	.0021	54.520	.5112	.0055	-21.498
	.739	-.4160	.0023	150.879	.1530	.0028	8.349	.5690	.0048	-8.482
	.819	-.3295	.0044	127.757	.2930	.0051	46.126	.6225	.0062	1.818
	.899	-.1351	.0027	-177.525	.3480	.0016	43.734	.4831	.0040	17.603
	.974				.2696	.0035	1.061			
	.990	.0875	.0008	106.948						
ETA = .871	.025	-.4704	.0085	-168.732	-.3724	.0120	5.387	.0980	.0205	7.825
	.084	-.5076	.0055	161.834	-.3943	.0108	5.025	.1133	.0160	-2.753
	.143	-.4804	.0058	176.198	-.3648	.0062	-4.947	.1156	.0120	-4.394
	.202	-.5205	.0044	136.728	-.4042	.0110	-1.143	.1163	.0145	-12.094
	.301	-.4124	.0091	152.302	-.5129	.0137	24.007	.1006	.0206	3.738
	.354	-.4579	.0084	164.622	-.3932	.0130	-1.939	.0646	.0213	-7.208
	.407	-.4317	.0073	130.654	-.4005	.0174	13.420	.0311	.0217	-3.957
	.460	-.5196	.0185	166.016	-.3668	.0162	19.245	.1529	.0333	1.498
	.513	-.5318	.0221	-179.594	-.2834	.0201	9.006	.2484	.0421	4.502
	.566	-.4747	.0267	-176.025	-.2190	.0231	23.245	.2558	.0491	12.907
	.680	-.3367	.0365	-169.305	.0101	.0239	18.595	.3468	.0603	13.820
	.742	-.2208	.0408	-169.053	.1218	.0285	14.334	.3426	.0693	12.340
	.830	-.2022	.0276	-169.916	.3065	.0199	31.559	.5087	.0467	19.061
	.910	-.0341	.0026	-163.013	.3810	.0114	29.356	.4150	.0140	27.068
	.975				.3164	.0078	32.885			
	.990	.1234	.0038	-170.843						
ETA = .972	.025	-.5412	.0132	-167.050	-.4722	.0194	15.569	.0691	.0326	14.509
	.092	-.5487	.0091	159.934	-.4115	.0130	27.016	.1372	.0203	7.871
	.126				-.4283	.0092	-2.263			
	.160	-.6467	.0130	169.182			5.903	.0260	.0163	-8.869
	.227	-.4536	.0077	171.475	-.4276	.0087	20.404	-.0339	.0158	-7.75
	.294	-.3271	.0093	165.702	-.3610	.0072	18.338	.0701	.0167	15.281
	.362	-.3718	.0087	-167.529	-.2919	.0108	34.609	.0565	.0183	9.432
	.430	-.3484	.0097	161.161	-.2765	.0075	22.030	.0620	.0203	11.166
	.497	-.3385	.0130	-175.076	-.1750	.0093	12.230	.1158	.0218	14.202
	.565	-.2908	.0125	-164.331	-.0312	.0061	41.463	.2673	.0169	6.267
	.632	-.2985	.0124	169.795	.0901	.0022	69.933	.3511	.0119	19.720
	.700	-.2610	.0106	-169.457	.2251	.0034	60.539	.4203	.0095	27.773
	.767	-.1953	.0069	-167.693	.3081	.0054	134.384	.4458	.0071	33.491
	.835	-.1377	.0097	-179.648	.3146	.0045	-178.653	.3959	.0030	48.834
	.902	-.0813	.0069	-159.899	.2079	.0039	140.770			
	.973									
	.990	.0640	.0030	120.628						
ETA = .875	.084	-.5177	.0054	147.376						
	.143	-.4868	.0051	160.626						
	.202									
	.301	-.4953	.0148	167.718						
	.407									
	.513	-.2886	.0349	-177.983						
	.680	-.1884	.0256	-165.707						
	.830									
ETA = .981	.160				-.4254	.0068	18.337			

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367										
POINT NUMBER 510	MACH = .801	RN = 3.787*10E6	H = 789.275 PSF	ALPHA = -.017 DEG						
	Q = 200.923 PSF	GAMMA = 1.132	P = 553.275 PSF	CPSTAR = -.483						
	DELTA (MEAN) = .019 DEG	DELTA (AMPL) = 2.073 DEG	OSCILLATION FREQUENCY = 15.017 HZ	K = .434						
ANALYZED VALUES :	DELTA (MEAN) = .156 DEG	DELTA (AMPL) = 2.047 DEG	OSCILLATION FREQUENCY = 15.010 HZ	K = .434						
	X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-.7491	.0127	-123.163	-.3753	.0127	51.446	.3738	.0254	54.142
	.087	-.5681	.0059	-128.060	-.4103	.0076	58.665	.1578	.0135	55.726
	.148	-.5272	.0028	-133.332	-.3925	.0057	58.696	.1347	.0085	54.741
	.209	-.5088	.0025	-167.452	-.3308	.0048	55.183	.1780	.0069	40.873
	.294	-.5741	.0029	-114.395	-.3889	.0041	66.311	.1852	.0031	21.374
	.350	-.5804	.0034	-141.597	-.4073	.0053	38.227	.1731	.0069	9.703
	.407	-.6003	.0059	-141.205	-.3410	.0038	8.133	.2593	.0089	-20.700
	.463	-.5800	.0122	-141.948	-.4009	.0039	33.551	.1791	.0139	-22.647
	.519	-.5291	.0060	-174.858	-.3017	.0036	35.156	.2274	.0091	9.766
	.579	-.5823	.0061	-148.691	-.1778	.0032	27.488	.4046	.0082	-11.876
	.659	-.5055	.0094	-152.802	.0050	.0028	13.128	.5105	.0117	-18.270
	.739	-.4166	.0081	-174.947	.1527	.0028	30.205	.5693	.0105	3.793
	.819	-.3309	.0065	-172.162	.2930	.0035	30.908	.6238	.0095	5.514
	.899	-.1354	.0045	-178.638	.3487	.0045	38.581	.4841	.0085	19.972
	.974				.2696	.0016	37.367			
	.990	.0870	.0038	-167.023						
ETA = .871	.025	-.4701	.0159	-165.542	-.3732	.0174	22.003	.0968	.0332	18.401
	.084	-.5081	.0128	-173.721	-.3954	.0142	1.802	.1127	.0270	3.924
	.143	-.4804	.0102	-173.458	-.3647	.0107	-1.513	.1157	.0209	-3.967
	.202	-.5204	.0142	-162.686	-.4048	.0149	-1.040	.1156	.0288	-8.980
	.301	-.4116	.0135	-169.375	-.5143	.0217	-1.874	.1027	.0351	-5.228
	.354	-.4578	.0210	-171.244	-.3949	.0215	6.760	.0629	.0421	-.906
	.407	-.4310	.0161	-154.923	-.4030	.0281	5.289	.0280	.0428	-5.680
	.460	-.5196	.0319	-172.069	-.3675	.0360	1.799	.1521	.0677	-2.771
	.513	-.5291	.0455	-178.945	-.2849	.0379	8.483	.2442	.0801	3.441
	.576	-.4733	.0531	-174.032	-.2207	.0393	15.039	.2527	.0921	9.825
	.630	-.3351	.0702	-170.277	.0083	.0487	12.481	.3433	.1189	10.853
	.682	-.2184	.0827	-170.053	.1201	.0560	13.004	.3385	.1387	11.181
	.740	-.1995	.0534	-165.336	.3049	.0360	22.675	.5637	.0892	17.889
	.810	-.0387	.0047	-141.339	.3807	.0252	25.724	.4194	.0276	16.878
	.875				.3158	.0116	32.686			
	.990	.1228	.0119	-163.062						
ETA = .972	.025	-.5429	.0274	-166.046	-.4729	.0305	19.627	.0700	.0578	16.943
	.092	-.5502	.0186	-173.821	-.4131	.0180	19.290	.1372	.0364	12.626
	.126				-.4307	.0149	-4.219			
	.160	-.6468	.0245	179.323	-.4294	.0122	-12.973	-.0257	.0317	-6.923
	.227	-.4552	.0196	-176.839	-.3639	.0159	11.044	-.0379	.0315	2.667
	.294	-.3260	.0156	-174.659	-.3026	.0166	11.947	.0704	.0347	7.398
	.362	-.3730	.0182	-176.749	-.2938	.0169	8.671	.0546	.0387	8.033
	.430	-.3485	.0218	-172.462	-.2788	.0172	6.090	.0599	.0396	5.460
	.497	-.3387	.0224	-175.024	-.1773	.0169	12.321	.1137	.0397	13.509
	.565	-.2910	.0228	-165.611	-.0320	.0123	13.283	.2064	.0354	10.474
	.632	-.2985	.0231	-171.021	.0894	.0061	22.417	.3504	.0272	16.621
	.700	-.2609	.0211	-165.052	.2250	.0024	18.973	.4201	.0184	21.088
	.767	-.1951	.0174	-165.833	.2209	.0055	16.310	.4457	.0124	35.755
	.835	-.1378	.0145	-166.139	.3079	.0089	16.199	.3954	.0064	58.531
	.902	-.0817	.0116	-165.517	.3137	.0078	175.673			
	.973				.2074					
	.990	.0641	.0039	-169.613						
ETA = .875	.084	-.5173	.0149	177.014						
	.143	-.4868	.0119	175.132						
	.202									
	.301	-.4942	.0239	165.491						
	.407									
	.513	-.2854	.0627	-173.611						
	.680	-.1834	.0497	-163.235						
	.830									
ETA = .981	.160				-.4257	.0145	-.778			

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367										
POINT NUMBER 511	MACH = .800	RN = 3.786*10E6	H = 789.475 PSF	ALPHA = -.018 DEG						
	Q = 200.781 PSF	GAMMA = 1.132	P = 553.700 PSF	CPSTAR = -.485						
	DELTA (MEAN) = -.053 DEG	DELTA (AMPL) = 3.074 DEG	OSCILLATION FREQUENCY = 14.966 HZ	K = .433						
ANALYZED VALUES :	DELTA (MEAN) = .101 DEG	DELTA (AMPL) = 3.009 DEG	OSCILLATION FREQUENCY = 14.995 HZ	K = .433						
	X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-.7501	.0170	-130.047	-.3732	.0129	39.315	-.3768	.0298	45.365
	.087	-.5686	.0090	-143.035	-.4083	.0066	14.870	-.1603	.0153	27.638
	.148	-.5268	.0087	-143.877	-.3902	.0075	18.577	-.1366	.0160	28.005
	.209	-.5080	.0079	-128.003	-.3286	.0061	33.972	-.1794	.0138	44.153
	.294	-.5744	.0018	-135.932	-.3875	.0042	-1.685	-.1870	.0056	11.612
	.350	-.5789	.0058	-151.083	-.4058	.0103	-13.770	-.1730	.0160	-19.215
	.407	-.5989	.0091	-176.465	-.4391	.0092	5.833	-.2598	.0183	4.691
	.463	-.5787	.0040	-146.002	-.4002	.0076	6.711	-.2783	.0109	-7.076
	.519	-.5299	.0056	-174.984	-.3003	.0064	-9.225	-.2226	.0120	-12.531
	.579	-.5796	.0123	-158.664	-.1770	.0101	-1.787	-.4026	.0170	6.452
	.659	-.5061	.0100	-179.757	-.0057	.0072	15.770	-.5119	.0118	-19.541
	.739	-.4149	.0074	-172.734	-.1525	.0044	-15.055	-.5674	.0162	-19.404
	.819	-.3296	.0087	-156.810	-.2936	.0075	-15.011	-.6232	.0149	15.581
	.899	-.1340	.0056	-162.619	-.2486	.0033	14.497	-.4827		
	.974				-.2692	.0036	69.881			
	.990	.0882	.0032	-107.744						
ETA = .871	.025	-.4766	.0265	-166.870	-.3686	.0300	9.035	-.1080	.0565	10.955
	.084	-.5111	.0174	-174.419	-.3912	.0214	-13.499	-.1199	.0383	-4.947
	.143	-.4809	.0159	-176.335	-.3628	.0231	-18.509	-.1182	.0377	-12.305
	.202	-.5192	.0185	-175.391	-.3626	.0231	-1.030	-.1166	.0478	-4.867
	.301	-.4100	.0186	-173.588	-.3130	.0238	-1.614	-.1031	.0533	1.180
	.354	-.4556	.0256	-167.413	-.3924	.0344	-2.849	-.0632	.0648	-6.682
	.407	-.4285	.0231	-159.352	-.3018	.0238	-2.840	-.0267	.0716	-8.499
	.460	-.5165	.0461	-179.575	-.3670	.0547	6.400	-.1496	.1006	3.279
	.513	-.5256	.0540	-175.869	-.2849	.0547	7.321	-.2406	.1112	5.772
	.566	-.4708	.0711	-178.356	-.2198	.0668	9.404	-.2510	.1351	5.329
	.620	-.3299	.0990	-169.173	-.0068	.0760	10.952	-.3367	.1750	10.881
	.742	-.2130	.1134	-169.052	-.1190	.0841	13.198	-.3319	.1975	11.906
	.830	-.1941	.0718	-165.364	-.3047	.0539	18.194	-.4988	.1239	16.132
	.910	-.0422	.0069	134.693	-.3800	.0419	20.478	-.4221	.0452	12.470
	.975				-.3153	.0202	30.136			
	.990	.1220	.0182	-158.769						
ETA = .972	.025	-.5440	.0442	-169.185	-.4709	.0521	8.359	-.0731	.0963	9.486
	.092	-.5500	.0248	-166.910	-.4102	.0311	7.925	-.1397	.0558	10.216
	.160				-.4279	.0270	-14.012			
	.227	-.6486	.0291	-179.210	-.4280	.0240	-18.604	-.0254	.0476	-9.117
	.294	-.4534	.0243	-179.748	-.3627	.0237	4.063	-.0366	.0469	7.834
	.362	-.3261	.0174	-165.719	-.3024	.0244	10.582	-.0688	.0462	10.729
	.430	-.3713	.0218	-169.106	-.2936	.0277	-1.755	-.0535	.0548	-4.475
	.497	-.3471	.0271	-178.268	-.2778	.0338	6.760	-.0592	.0643	6.395
	.565	-.2891	.0305	-174.009	-.1775	.0283	16.631	-.1116	.0581	17.713
	.633	-.2973	.0328	-161.260	-.0326	.0199	15.286	-.2647	.0473	10.884
	.700	-.2597	.0284	-172.726	-.0889	.0137	16.426	-.3486	.0420	10.249
	.767	-.1933	.0247	-161.284	-.2249	.0075	48.114	-.4182	.0315	25.439
	.835	-.1363	.0169	-163.145	-.3080	.0073	131.145	-.4443	.0154	42.440
	.903	-.0811	.0136	178.313	-.3137	.0101	169.093	-.3948	.0040	22.338
	.970				-.2070	.0068	178.295			
	.990	.0642	.0063	170.603						
ETA = .875	.084	-.5348	.0215	-172.023						
	.143	-.4895	.0156	-175.975						
	.202									
	.301	-.4911	.0356	171.049						
	.407									
	.513	-.2836	.0925	-175.652						
	.620	-.1779	.0712	-162.671						
	.830									
ETA = .981	.160				-.4247	.0244	-13.285			

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367										
POINT NUMBER 512	MACH = .800	RN = 3.788*10E6	H = 789.975 PSF	ALPHA = -.017 DEG						
	Q = 200.956 PSF	GAMMA = 1.132	P = 553.975 PSF	CPSTAR = -.484						
	DELTA (MEAN) = .069 DEG	DELTA (AMPL) = 1.049 DEG	OSCILLATION FREQUENCY = 20.478 HZ	K = .592						
ANALYZED VALUES :	DELTA (MEAN) = .232 DEG	DELTA (AMPL) = 1.026 DEG	OSCILLATION FREQUENCY = 20.475 HZ	K = .592						
	X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-.7476	.0040	-95.243	-.3754	.0026	45.745	.3722	.0062	69.548
	.087	-.5668	.0029	-86.612	-.4086	.0026	66.061	.1582	.0053	80.484
	.148	-.5249	.0011	-80.827	-.3908	.0019	50.920	.1342	.0028	68.236
	.209	-.5068	.0009	2.040	-.3295	.0014	32.143	.1773	.0008	68.140
	.294	-.5723	.0013	-6.439	-.3876	.0017	-66.557	.1847	.0015	-113.524
	.350	-.5773	.0022	68.952	-.4064	.0015	49.919	.1709	.0009	-79.019
	.407	-.5980	.0037	54.927	-.3393	.0016	-8.139	.2587	.0033	-99.458
	.463	-.5788	.0086	114.567	-.4012	.0027	-27.463	.1776	.0109	-56.632
	.519	-.5286	.0068	117.445	-.3000	.0009	-91.933	.2286	.0076	-65.887
	.579	-.5790	.0078	156.103	-.1763	.0021	-.356	.4027	.0098	-18.968
	.659	-.5048	.0036	166.185	.0060	.0019	-5.850	.5109	.0055	-11.065
	.739	-.4144	.0053	163.468	.1523	.0021	-12.436	.5667	.0074	-15.370
	.819	-.3298	.0035	-177.277	.2927	.0023	11.599	.6226	.0058	6.241
	.899	-.1342	.0022	176.833	.3492	.0020	6.959	.4834	.0042	1.654
	.974				.2691	.0017	.442			
	.990	.0879	.0017	-152.699						
ETA = .871	.025	-.4720	.0021	101.176	-.3722	.0028	-51.500	.0998	.0048	-63.173
	.084	-.5080	.0028	97.265	-.3931	.0036	-50.109	.1149	.0061	-64.327
	.143	-.4792	.0031	103.500	-.3629	.0038	-45.025	.1163	.0066	-59.125
	.202	-.5178	.0050	115.267	-.4030	.0065	-31.416	.1148	.0110	-45.840
	.301	-.4108	.0071	147.676	-.5124	.0101	-9.852	-.1016	.0169	-19.104
	.354	-.4550	.0119	152.976	-.3913	.0134	-9.139	.0637	.0250	-17.547
	.407	-.4305	.0070	143.319	-.3991	.0154	-3.318	.0314	.0216	-13.588
	.460	-.5184	.0179	161.900	-.3640	.0175	2.325	.1544	.0348	-7.959
	.513	-.5306	.0227	-178.375	-.2826	.0194	8.519	.2481	.0420	4.802
	.566	-.4732	.0275	-174.703	-.2168	.0220	14.251	.2564	.0494	9.276
	.680	-.3359	.0369	-163.213	.0107	.0260	17.783	.3466	.0629	17.199
	.742	-.2185	.0433	-164.950	.1236	.0294	16.697	.3420	.0727	15.716
	.830	-.2013	.0284	-157.886	.3080	.0214	24.875	.5093	.0498	23.301
	.910	-.0337	.0014	-144.363	.3838	.0144	28.822	.4175	.0158	29.425
	.975				.3188	.0065	30.987			
	.990	.1255	.0069	-154.561						
ETA = .972	.025	-.5407	.0099	130.770	-.4707	.0108	-33.445	.0700	.0205	-40.992
	.092	-.5497	.0065	147.462	-.4111	.0074	-23.534	.1387	.0139	-27.744
	.126				-.4285	.0064	-34.075			
	.160	-.6465	.0119	154.498	-.4266	.0057	-26.285	-.0282	.0141	-15.962
	.227	-.4548	.0086	170.859	-.3621	.0071	5.441	-.0370	.0164	1.828
	.294	-.3251	.0093	179.070	-.3016	.0092	18.740	.0713	.0186	6.937
	.362	-.3729	.0098	175.866	-.2902	.0101	6.305	.0582	.0214	7.581
	.430	-.3483	.0113	-171.279	-.2765	.0096	7.098	.0617	.0205	7.911
	.497	-.3382	.0109	-171.373	-.1746	.0081	15.757	.1165	.0207	17.879
	.565	-.2911	.0126	-160.757	-.0294	.0075	31.045	.2695	.0184	19.130
	.632	-.2989	.0112	-168.816	.0907	.0075	31.645	.3517	.0139	17.703
	.700	-.2611	.0099	-168.164	.2260	.0022	66.478	.4216	.0106	33.112
	.767	-.1956	.0088	-154.791	.3084	.0020	127.373	.4463	.0058	39.690
	.835	-.1378	.0061	-159.433	.3136	.0031	160.246	.3947	.0036	47.376
	.902	-.0811	.0056	-163.292	.2079	.0033	171.283			
	.973									
	.990	.0648	.0012	-139.801						
ETA = .875	.084	-.5358	.0079	128.821						
	.143	-.4898	.0050	116.424						
	.202									
	.301	-.4932	.0140	153.059						
	.407									
	.513	-.2843	.0336	-173.034						
	.680	-.1859	.0251	-157.460						
	.830									
ETA = .981	.160				-.4224	.0061	-22.624			

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367										
POINT NUMBER 513		MACH = .800		RN = 3.783*10E6		H = 789.800 PSF		ALPHA = -.017 DEG		
		Q = 200.629 PSF		GAMMA = 1.132		P = 554.275 PSF		CPSTAR = -.487		
		DELTA (MEAN) = -.017 DEG		DELTA (AMPL) = 2.037 DEG		OSCILLATION FREQUENCY = 20.408 HZ		K = .590		
ANALYZED VALUES :		DELTA (MEAN) = .149 DEG		DELTA (AMPL) = 2.009 DEG		OSCILLATION FREQUENCY = 20.477 HZ		K = .592		
	X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-.7486	.0063	-118.415	-.3748	.0047	29.600	.3738	.0106	47.980
	.087	-.5679	.0031	-93.958	-.4089	.0022	43.299	.1590	.0049	68.473
	.148	-.5265	.0034	-71.264	-.3908	.0027	15.066	.1357	.0042	68.877
	.209	-.5078	.0027	-9.231	-.3297	.0009	5.451	.1781	.0018	163.662
	.294	-.5742	.0040	26.886	-.3868	.0035	-32.543	.1874	.0037	-99.491
	.350	-.5797	.0048	47.784	-.4071	.0022	-60.988	.1726	.0059	-111.501
	.407	-.5999	.0078	76.792	-.3390	.0034	-16.897	.2609	.0087	-80.274
	.463	-.5786	.0124	116.970	-.4001	.0044	-6.555	.1785	.0153	-49.137
	.519	-.5292	.0092	124.023	-.3010	.0045	-28.037	.2282	.0133	-46.885
	.579	-.5791	.0095	128.931	-.1765	.0041	-22.985	.4026	.0133	-42.698
	.659	-.5061	.0087	154.761	.0066	.0038	-19.735	.5127	.0125	-23.566
	.739	-.4150	.0096	167.375	.1521	.0038	-1.927	.5671	.0133	-9.315
	.819	-.3294	.0072	169.879	.2948	.0037	-15.716	.6242	.0109	-12.020
	.899	-.1338	.0044	-166.339	.3495	.0041	5.537	.4832	.0085	9.743
	.974				.2696	.0006	15.650			
	.990	.0883	.0022	-178.364						
ETA = .871	.025	-.4741	.0050	80.184	-.3699	.0078	-53.498	.1042	.0118	-71.312
	.084	-.5098	.0063	93.526	-.3921	.0081	-54.153	.1177	.0138	-68.239
	.143	-.4796	.0085	99.050	-.3626	.0084	-46.074	.1170	.0161	-63.618
	.202	-.5184	.0101	110.491	-.4017	.0136	-25.977	.1167	.0220	-44.368
	.301	-.4103	.0149	147.414	-.5142	.0210	-19.962	.1039	.0357	-25.197
	.354	-.4542	.0233	144.048	-.3905	.0265	-3.369	.0638	.0478	-18.585
	.407	-.4301	.0151	133.327	-.4004	.0285	-7.377	.0296	.0413	-20.763
	.460	-.5176	.0370	166.895	-.3659	.0354	-1.254	.1518	.0720	-7.311
	.513	-.5302	.0431	175.798	-.2815	.0390	8.812	.2487	.0816	1.979
	.566	-.4686	.0540	-174.369	-.2191	.0436	12.520	.2495	.0974	8.708
	.680	-.3312	.0717	-167.846	.0085	.0512	12.406	.3398	.1229	12.259
	.742	-.2135	.0845	-168.075	.1209	.0607	14.642	.3343	.1452	13.060
	.830	-.1959	.0544	-159.580	.3066	.0405	22.850	.5025	.0949	21.457
	.910	-.0365	.0024	171.783	.3827	.0296	27.744	.4192	.0316	25.186
	.975				.3185	.0132	32.462			
	.990	.1253	.0124	-157.616						
ETA = .972	.025	-.5413	.0178	124.126	-.4700	.0206	-36.543	.0713	.0379	-45.497
	.092	-.5501	.0151	136.013	-.4111	.0165	-27.394	.1390	.0313	-35.321
	.126				-.4283	.0122	-33.105			
	.160	-.6464	.0179	149.624	-.4270	.0111	-23.874	.0275	.0296	-19.896
	.227	-.4545	.0185	162.489	-.3633	.0163	-6.104	-.0383	.0311	-3.797
	.294	-.3250	.0148	178.764	-.3012	.0170	5.552	.0713	.0356	3.275
	.362	-.3724	.0186	-178.614	-.2905	.0191	10.223	.0520	.0411	6.537
	.430	-.3465	.0221	-176.660	-.2769	.0198	5.552	.0603	.0399	2.027
	.497	-.3372	.0202	178.474	-.1763	.0190	1.629	.1130	.0416	14.839
	.565	-.2893	.0226	-166.750	.0903	.0138	19.203	.2670	.0354	14.776
	.632	-.2977	.0217	-168.038	.2250	.0094	32.203	.3496	.0296	20.723
	.700	-.2593	.0205	-164.718	.3087	.0058	75.100	.4186	.0209	31.725
	.767	-.1936	.0172	-161.656	.3131	.0083	126.108	.4455	.0123	35.986
	.835	-.1367	.0136	-168.793	.2075	.0056	155.622	.3935	.0060	74.254
	.902	-.0804	.0095	-165.490			168.930			
	.973									
	.990	.0658	.0027	173.126						
ETA = .875	.084									
	.143	-.5353	.0097	119.232						
	.202	-.4902	.0121	116.845						
	.301									
	.407	-.4930	.0265	156.896						
ETA = .981	.513									
	.680	-.2812	.0623	-171.338						
	.830	-.1815	.0495	-156.997						
ETA = .981 .160					-.4233	.0111	-28.499			

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367									
POINT NUMBER 514	MACH = .800	RN = 3.787*10E6	H = 790.200 PSF	ALPHA = -.017 DEG					
	Q = 200.987 PSF	GAMMA = 1.132	P = 554.175 PSF	CPSTAR = -.485					
	DELTA (MEAN) = -.092 DEG	DELTA (AMPL) = 3.049 DEG	OSCILLATION FREQUENCY = 20.470 HZ	K = .591					
ANALYZED VALUES :	DELTA (MEAN) = .046 DEG	DELTA (AMPL) = 3.002 DEG	OSCILLATION FREQUENCY = 20.477 HZ	K = .592					
X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-.7521	.0095	-121.494	-.3718	.0061	36.064	.3803	.0153
	.087	-.5694	.0070	-116.104	-.4077	.0029	54.729	.1617	.0099
	.148	-.5256	.0057	-70.785	-.3894	.0015	-49.798	.1362	.0043
	.209	-.5079	.0052	-50.212	-.3290	.0031	-13.159	.1790	.0033
	.294	-.5741	.0051	-15.763	-.3863	.0044	-43.632	.1878	.0024
	.350	-.5776	.0065	10.342	-.4063	.0036	-32.176	.1713	.0046
	.407	-.5977	.0104	61.674	-.3375	.0073	-28.133	.2602	.0127
	.463	-.5787	.0136	86.058	-.4001	.0069	-22.865	.1786	.0171
	.519	-.5253	.0116	108.614	-.3007	.0080	-18.771	.2246	.0176
	.579	-.5775	.0134	122.848	-.1773	.0059	-18.172	.4001	.0184
	.659	-.5057	.0112	130.068	.0046	.0065	-11.036	.5103	.0168
	.739	-.4142	.0116	153.887	.1503	.0063	2.390	.5645	.0174
	.819	-.3296	.0092	165.591	.2925	.0064	-3.985	.6221	.0155
	.899	-.1349	.0058	-179.937	.3470	.0073	1.282	.4819	.0131
	.974				.2673	.0024	29.799		
	.990	.0877	.0027	163.960					
ETA = .871	.025	-.4752	.0034	71.274	-.3685	.0083	-42.903	.1067	.0102
	.084	-.5062	.0061	79.034	-.3912	.0114	-52.468	.1150	.0161
	.143	-.4785	.0095	89.818	-.3618	.0127	-42.369	.1168	.0203
	.202	-.5167	.0132	99.892	-.4030	.0208	-35.629	.1137	.0316
	.301	-.4102	.0214	133.930	-.5133	.0355	-22.643	.1031	.0538
	.354	-.4523	.0307	137.551	-.3919	.0367	-7.251	.0604	.0643
	.407	-.4295	.0210	129.316	-.4014	.0456	-3.346	.0281	.0648
	.460	-.5144	.0500	161.875	-.3679	.0544	-1.216	.1465	.1043
	.513	-.5221	.0634	171.854	-.2844	.0596	5.249	.2376	.1222
	.566	-.4660	.0808	-178.074	-.2210	.0651	13.702	.2449	.1451
	.680	-.3280	.1048	-169.964	.0044	.0783	13.131	.3324	.1830
	.742	-.2093	.1228	-169.358	.1166	.0900	14.375	.3259	.2127
	.830	-.1917	.0809	-162.713	.3035	.0604	22.298	.4952	.1412
	.910	-.0423	.0026	135.715	.3793	.0450	27.570	.4216	.0459
	.975				.3151	.0199	33.785		
	.990	.1218	.0180	-164.680					
ETA = .972	.025	-.5413	.0241	123.817	-.4703	.0281	-33.856	.0710	.0512
	.092	-.5490	.0203	132.398	-.4103	.0226	-24.573	.1387	.0420
	.126				-.4285	.0185	-32.389		
	.160								
	.207	-.6438	.0266	142.689	-.4279	.0178	-23.601	.0246	.0430
	.264	-.4524	.0254	156.200	-.3638	.0250	-4.720	.0399	.0457
	.301	-.3239	.0207	173.300	-.3035	.0241	11.470	.0684	.0508
	.362	-.3719	.0272	174.709	-.2925	.0209	8.313	.0536	.0603
	.407	-.3462	.0306	179.035	-.2796	.0314	8.535	.0562	.0615
	.497	-.3395	.0304	177.160	-.1785	.0292	17.142	.1111	.0630
	.565	-.2896	.0340	-172.882	-.0335	.0217	21.412	.2643	.0527
	.632	-.2977	.0312	-169.857	.0876	.0146	33.847	.3479	.0440
	.700	-.2603	.0300	-166.923	.2236	.0084	68.101	.4171	.0320
	.767	-.1933	.0261	-163.643	.3078	.0078	117.241	.4443	.0137
	.835	-.1366	.0209	-172.174	.3119	.0114	149.650	.3929	.0100
	.902	-.0809	.0159	-171.791	.2061	.0095	159.936		
	.973								
	.990	.0633	.0048	165.541					
ETA = .875	.084	-.5156	.0116	92.370					
	.143	-.4861	.0140	106.787					
	.202								
	.301	-.4882	.0405	143.387					
	.407								
	.513	-.2777	.0929	-173.470					
	.680	-.1766	.0727	-159.034					
	.830								
ETA = .981	.160				-.4236	.0206	-23.811		

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367

POINT NUMBER 520

MACH = .802
 Q = 202.097 PSF
 DELTA (MEAN) = -.105 DEG

RN = 3.810×10^6
 GAMMA = 1.132
 DELTA (AMPL) = 3.019 DEG

H = 792.550 PSF
 P = 555.075 PSF
 OSCILLATION FREQUENCY = 5.054 HZ

ALPHA = 2.030 DEG
 CPSTAR = -.480
 K = .146

ANALYZED VALUES : DELTA (MEAN) = .185 DEG DELTA (AMPL) = 2.958 DEG OSCILLATION FREQUENCY = 5.062 HZ K = .146

	X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-1.1262	.0189	-10.862	-.0143	.0226	173.436	1.1119	.0415	171.479
	.087	-.9855	.0503	-9.815	-.1520	.0157	179.627	.8335	.0658	172.427
	.148	-.9249	.0530	-10.915	-.2021	.0125	-175.556	.7229	.0651	171.999
	.209	-.6852	.0599	-9.392	-.1693	.0105	-168.754	.5159	.0698	173.646
	.294	-.7751	.0294	140.027	-.2581	.0073	-178.804	.5171	.0244	-51.340
	.350	-.7542	.0170	89.429	-.2678	.0060	-164.884	.4865	.0195	-107.805
	.407	-.7602	.0242	22.209	-.2370	.0045	-173.330	.5232	.0286	-160.210
	.463	-.7389	.0092	8.073	-.2862	.0037	-167.247	.4527	.0129	-170.585
	.519	-.6911	.0096	109.522	-.2105	.0009	-147.420	.4806	.0098	-75.588
	.579	-.6314	.0116	143.552	-.1338	.0008	-26.125	.4975	.0124	-35.785
	.659	-.4990	.0127	171.845	.0505	.0016	-35.745	.5496	.0141	-11.159
	.739	-.4259	.0058	-173.284	.2134	.0024	-45.973	.6394	.0075	-8.025
	.819	-.3044	.0057	-177.042	.3155	.0010	-68.386	.6199	.0061	-5.986
	.899	-.1314	.0046	179.777	.3778	.0020	-70.464	.5092	.0056	-19.897
	.974				.2865	.0004	-177.493			
	.990	.0860	.0039	160.336						
ETA = .871	.025	-1.0339	.0376	-2.477	.0158	.0297	-170.817	1.0497	.0670	-177.334
	.084	-1.0548	.0526	2.758	-.1312	.0170	-166.598	.9236	.0694	-174.648
	.143	-.9092	.1137	2.548	-.1787	.0108	-156.983	.7305	.1239	-175.705
	.202	-.6924	.0387	22.842	-.2350	.0058	-119.555	.4574	.0434	-152.488
	.301	-.6229	.0426	133.750	-.3512	.0107	-27.096	.2716	.0528	-42.439
	.354	-.5672	.0245	167.237	-.2967	.0167	-15.461	.2705	.0412	-13.596
	.407	-.4946	.0216	164.087	-.3144	.0254	-7.850	.1802	.0469	-11.596
	.460	-.5940	.0408	167.774	-.2995	.0326	-3.229	.2945	.0732	-8.031
	.513	-.5772	.0579	177.358	-.2450	.0411	-1.977	.3322	.0990	-1.003
	.566	-.5397	.0752	-179.878	-.1919	.0491	2.996	.3478	.1243	1.003
	.680	-.3546	.0813	-176.161	.0409	.0624	2.422	.3955	.1437	1.003
	.742	-.2527	.1003	-175.664	.1234	.0727	3.240	.3761	.1437	1.003
	.830	-.1993	.0587	-171.922	.3100	.0459	5.345	.5093	.1046	1.003
	.910	-.0358	.0037	81.554	.3559	.0274	6.022	.3917	.0267	-1.688
	.975				.2886	.0054	23.516			-1.688
	.990	.1081	.0260	-177.362						
ETA = .972	.025	-1.0450	.0338	16.696	-.0819	.0260	-153.482	.9631	.0596	-159.035
	.092	-.9624	.1136	24.004	-.1970	.0098	-130.081	.7654	.1225	-153.992
	.126				-.2500	.0068	-116.971			
	.160	-.7328	.0321	161.226	-.3305	.0104	-19.089	.1353	.0649	3.841
	.227	-.4657	.0555	-171.972	-.2971	.0150	-6.357	.0714	.0319	-6.104
	.294	-.3685	.0169	174.420	-.2547	.0164	-3.643	.1294	.0358	-6.083
	.362	-.3840	.0194	170.485	-.2883	.0202	-2.252	.0924	.0471	-3.673
	.430	-.3807	.0269	175.259	-.2473	.0210	-1.422	.1088	.0486	-2.131
	.497	-.3561	.0276	176.570	-.1527	.0185	1.345	.1425	.0476	-2.087
	.565	-.2952	.0291	-176.460	-.0316	.0140	6.284	.2604	.0458	-2.087
	.632	-.2920	.0318	-177.335	.0903	.0088	13.366	.3596	.0396	1.003
	.700	-.2692	.0309	-177.297	.2217	.0025	38.350	.4186	.0283	1.003
	.767	-.1969	.0269	-178.326	.2980	.0049	161.399	.4428	.0193	1.003
	.835	-.1448	.0239	178.525	.3298	.0109	176.770	.4136	.0084	1.003
	.902	-.0839	.0193	179.264	.2080	.0098	177.451			
	.973									
	.990	.0522	.0046	164.513						
ETA = .875	.084	-.8759	.1104	9.413						
	.143	-.6460	.0752	19.189						
	.202									
	.301	-.5921	.0240	174.881						
	.407									
	.513	-.3070	.0835	-177.407						
	.680	-.2111	.0582	-174.221						
	.830									
ETA = .981	.160				-.3237	.0052	-56.045			

Table 4. Continued

UNSTEADY PRESSURES -					TDT TEST 367					
POINT NUMBER	521	MACH = .799 Q = 201.126 PSF DELTA (MEAN) = .089 DEG	RN = 3.797*10E6 GAMMA = 1.132 DELTA (AMPL) = 1.057 DEG	H = 792.275 PSF P = 556.200 PSF OSCILLATION FREQUENCY = 15.017 HZ	ALPHA = 2.029 DEG CPSTAR = -.488 K = .435					
ANALYZED VALUES :		DELTA (MEAN) = .261 DEG	DELTA (AMPL) = 1.031 DEG	OSCILLATION FREQUENCY = 15.010 HZ	K = .434					
	X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-1.1290	.0030	-142.298	-.0175	.0053	22.094	1.1114	.0082	27.723
	.087	-.9896	.0115	-152.528	-.1552	.0054	17.859	.8344	.0168	24.404
	.148	-.9195	.0153	-150.601	-.2046	.0032	36.292	.7148	.0185	30.590
	.209	-.6543	.0094	-105.116	-.1727	.0028	24.853	.4816	.0114	64.036
	.294	-.7892	.0091	-28.232	-.2603	.0042	14.460	.5290	.0067	126.425
	.350	-.7574	.0127	-57.406	-.2718	.0044	38.192	.4856	.0138	104.149
	.407	-.7537	.0145	-32.932	-.2399	.0043	22.883	.5137	.0126	130.665
	.463	-.7357	.0155	48.243	-.2897	.0033	20.537	.4460	.0127	-124.803
	.519	-.6903	.0227	64.560	-.2145	.0035	26.670	.4758	.0201	-109.287
	.579	-.6448	.0197	128.581	-.1350	.0032	41.983	.5097	.0198	-42.121
	.659	-.5013	.0052	165.115	.0480	.0039	40.164	.5494	.0081	8.382
	.739	-.4284	.0050	-174.447	.2113	.0025	40.551	.6398	.0072	17.053
	.819	-.3086	.0030	153.237	.3139	.0027	32.876	.6225	.0049	1.329
	.899	-.1337	.0010	133.425	.3784	.0012	35.587	.5122	.0017	-.963
	.974									
	.990	.0835	.0011	109.260	.2852	.0014	64.792			
ETA = .871	.025	-1.0391	.0063	-161.409	-.0113	.0113	34.416	1.0504	.0174	28.764
	.084	-1.0568	.0102	-147.821	-.1351	.0086	27.773	.9218	.0188	30.164
	.143	-.8983	.0241	-151.637	-.1818	.0073	12.607	.7164	.0312	24.719
	.202	-.6674	.0091	25.298	-.2356	.0092	12.710	.4318	.0020	-68.160
	.301	-.6277	.0269	101.326	-.3551	.0116	11.703	.2726	.0292	-55.288
	.354	-.5826	.0181	151.670	-.3004	.0120	13.785	.2822	.0282	-11.734
	.407	-.5048	.0103	155.307	-.3153	.0135	14.657	.1895	.0224	-2.266
	.460	-.6015	.0185	-172.953	-.3020	.0155	17.760	.2996	.0339	11.930
	.513	-.5868	.0187	168.292	-.2469	.0182	19.288	.3399	.0356	3.575
	.566	-.5442	.0253	-176.374	-.1943	.0194	15.467	.3499	.0445	8.762
	.680	-.3633	.0308	-167.369	.0417	.0239	17.751	.4050	.0546	14.868
	.742	-.2621	.0380	-169.128	.1233	.0233	18.068	.3854	.0652	13.880
	.830	-.2103	.0216	-164.454	.3121	.0185	26.090	.5224	.0399	20.409
	.910	-.0351	.0010	76.314	.3580	.0125	36.101	.3932	.0118	32.952
	.975				.2910	.0050	58.168			
	.990	.1117	.0086	-175.905						
ETA = .972	.025	-1.0504	.0099	-161.841	-.0845	.0138	36.880	.9659	.0234	29.073
	.092	-.9703	.0328	-169.506	-.2007	.0101	35.096	.7696	.0422	16.214
	.126				-.2525	.0090	18.554			
	.160	-.7235	.0046	19.001						
	.227	-.4766	.0138	82.474	-.3326	.0073	17.982	.1440	.0125	-65.799
	.294	-.3736	.0054	-169.745	-.3009	.0082	15.894	.0727	.0136	13.656
	.362	-.3856	.0104	171.585	-.2580	.0087	31.994	.1277	.0179	9.913
	.430	-.3845	.0092	-173.800	-.2910	.0088	32.643	.0936	.0175	19.122
	.497	-.3616	.0123	179.996	-.2471	.0085	23.664	.1145	.0204	9.638
	.565	-.3034	.0107	-176.829	-.1541	.0074	25.043	.1493	.0178	12.089
	.632	-.2969	.0118	-177.625	-.0316	.0046	27.553	.2653	.0161	9.365
	.700	-.2750	.0131	-170.562	.0906	.0018	65.231	.3656	.0142	15.460
	.767	-.2031	.0111	-169.066	.2215	.0029	142.601	.4245	.0094	24.223
	.835	-.1478	.0098	-178.232	.2265	.0053	161.093	.4443	.0052	22.901
	.902	-.0882	.0082	-178.900	.3276	.0075	168.008	.4158	.0019	63.320
	.973				.2078	.0055	174.906			
	.990	.0502	.0051	178.710						
ETA = .875	.084									
	.143	-.8684	.0262	-137.482						
	.202	-.6053	.0044	28.706						
	.301									
	.407	-.6015	.0154	-174.170						
ETA = .981	.513									
	.680	-.3174	.0296	-169.265						
	.830	-.2205	.0202	-161.847						
ETA = .981	.160				-.3263	.0080	24.537			

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367									
POINT NUMBER 522	MACH = .800	RN = 3.800*10E6	H = 792.725 PSF	ALPHA = 2.029 DEG					
	Q = 201.576 PSF	GAMMA = 1.132	P = 556.025 PSF	CPSTAR = -.485					
	DELTA (MEAN) = .041 DEG	DELTA (AMPL) = 2.031 DEG	OSCILLATION FREQUENCY = 14.983 HZ	K = .433					
ANALYZED VALUES :	DELTA (MEAN) = .181 DEG	DELTA (AMPL) = 2.001 DEG	OSCILLATION FREQUENCY = 15.010 HZ	K = .434					
X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025 -1.1243	.0046	-154.675	-.0182	.0088	20.653	1.1060	.0134	22.256
	.087 -.9881	.0152	-155.465	-.1557	.0065	24.793	.8324	.0217	24.612
	.148 -.9259	.0171	-154.591	-.2061	.0057	19.000	.7198	.0228	23.808
	.209 -.6611	.0251	-138.192	-.1733	.0040	11.519	.4878	.0186	37.767
	.294 -.7770	.0129	-19.394	-.2619	.0049	26.134	.5152	.0101	140.325
	.350 -.7593	.0093	-50.434	-.2718	.0066	15.737	.4875	.0090	87.260
	.407 -.7752	.0048	-32.566	-.2426	.0053	18.321	.5327	.0044	76.937
	.463 -.7513	.0125	43.927	-.2899	.0048	8.348	.4615	.0090	-118.077
	.519 -.6957	.0218	66.457	-.2149	.0062	5.264	.4808	.0196	-97.425
	.579 -.6427	.0273	120.661	-.1370	.0055	21.166	.5057	.0287	-48.453
	.659 -.4999	.0121	-177.577	.0484	.0044	20.266	.5483	.0163	7.159
	.739 -.4285	.0077	-179.523	.2117	.0038	40.328	.6403	.0109	13.594
	.819 -.3072	.0048	-177.518	.3149	.0026	31.503	.6220	.0072	12.592
	.899 -.1338	.0026	-163.671	.3771	.0021	37.201	.5109	.0046	25.643
	.974			.2865	.0017	71.055			
	.990	.0838	.0019	139.631					
ETA = .871	.025 -1.0310	.0109	-175.274	-.0091	.0169	18.713	1.0401	.0276	13.237
	.084 -1.0556	.0155	-161.002	-.1365	.0130	11.431	.9191	.0284	15.546
	.143 -.9121	.0339	-165.204	-.1829	.0127	2.290	.7292	.0464	11.399
	.202 -.6589	.0059	9.431	-.2388	.0145	7.006	.4201	.0086	5.345
	.301 -.6487	.0328	109.244	-.3556	.0217	4.001	.2932	.0438	-42.221
	.354 -.5742	.0326	154.197	-.3018	.0230	10.143	.2784	.0530	-11.036
	.407 -.4978	.0162	161.732	-.3198	.0262	8.024	.1780	.0414	-1.969
	.460 -.6003	.0340	-173.392	-.3030	.0311	7.566	.2974	.0651	7.066
	.513 -.5894	.0418	-177.821	-.2479	.0339	9.709	.3411	.0755	5.550
	.566 -.5412	.0535	-176.298	-.1964	.0395	15.882	.3448	.0925	8.872
	.680 -.3589	.0583	-166.412	.0384	.0460	13.355	.3973	.1043	13.484
	.742 -.2568	.0719	-168.372	.1215	.0539	13.915	.3783	.1258	12.608
	.830 -.2061	.0435	-161.374	.3101	.0351	24.241	.5162	.0785	21.133
	.910 -.0361	.0061	21.864	.3563	.0227	30.945	.3923	.0167	34.250
	.975			.2902	.0083	50.154			
	.990	.1109	.0163	-170.644					
ETA = .972	.025 -1.0441	.0167	-171.805	-.0882	.0226	19.643	.9559	.0391	14.781
	.092 -.9738	.0510	179.654	-.2022	.0165	20.425	.7716	.0667	4.688
	.126			-.2557	.0149	7.183			
	.160 -.7350	.0219	149.040	-.3362	.0134	-2.248	.1339	.0170	-15.501
	.227 -.4701	.0050	126.594	-.3036	.0128	9.563	.0678	.0205	1.661
	.294 -.3714	.0080	168.953	-.2598	.0147	18.222	.1279	.0304	13.699
	.362 -.3878	.0158	-170.509	-.2924	.0191	12.630	.0899	.0384	5.063
	.430 -.3823	.0196	177.690	-.2509	.0167	17.602	.1105	.0387	4.815
	.497 -.3613	.0223	178.246	-.1551	.0140	12.951	.1466	.0352	13.975
	.565 -.3017	.0213	-168.644	-.0326	.0097	29.514	.2634	.0315	11.771
	.632 -.2960	.0225	-175.779	.0897	.0052	44.616	.3634	.0263	17.857
	.700 -.2737	.0218	-168.308	.2210	.0042	104.351	.4232	.0208	24.507
	.767 -.2022	.0205	-167.127	.3289	.0077	154.589	.4456	.0128	21.172
	.835 -.1490	.0189	-176.041	.2076	.0093	165.842	.4165	.0076	38.326
	.902 -.0876	.0169	-173.387			170.704			
	.973								
	.990	.0495	.0081	-178.012					
ETA = .875	.084 -.8862	.0360	-157.730	-.3292	.0131	10.169			
	.143 -.6114	.0108	-154.938						
	.202								
	.301 -.5970	.0271	-170.584						
	.407								
	.513 -.3139	.0582	-172.891						
	.680 -.2154	.0404	-160.659						
	.830								
ETA = .981	.160								

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367

POINT NUMBER 523

MACH = .800
 Q = 201.594 PSF
 DELTA (MEAN) = -.040 DEG

RN = 3.800*10E6
 GAMMA = 1.132
 DELTA (AMPL) = 3.065 DEG

H = 793.075 PSF
 P = 556.375 PSF
 OSCILLATION FREQUENCY = 15.017 HZ

ALPHA = 2.030 DEG
 CPSTAR = -.486
 K = .434

ANALYZED VALUES : DELTA (MEAN) = .116 DEG DELTA (AMPL) = 3.002 DEG OSCILLATION FREQUENCY = 15.010 HZ K = .434

	X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-1.1289	.0088	-137.590	-.0132	.0157	34.194	1.1157	.0244	37.143
	.087	-.9878	.0305	-147.655	-.1520	.0122	35.869	.8358	.0427	33.352
	.148	-.9177	.0352	-155.460	-.2027	.0101	30.029	.7150	.0453	25.963
	.209	-.6850	.0261	-119.572	-.1692	.0078	31.561	.4958	.0331	53.905
	.294	-.7874	.0233	-24.988	-.2599	.0101	40.290	.5274	.0212	129.328
	.350	-.7577	.0250	-52.633	-.2677	.0093	26.900	.4900	.0250	105.945
	.407	-.7519	.0193	-15.436	-.2382	.0075	28.426	.5137	.0148	144.054
	.463	-.7310	.0318	53.723	-.2877	.0092	35.974	.4433	.0232	-119.336
	.519	-.6853	.0441	78.146	-.2122	.0081	34.148	.4731	.0387	-93.490
	.579	-.6376	.0484	124.998	-.1330	.0063	37.442	.5045	.0485	-47.551
	.659	-.5016	.0220	171.267	.0500	.0060	37.197	.5515	.0265	.620
	.739	-.4265	.0151	-179.348	.2130	.0053	37.369	.6395	.0196	9.952
	.819	-.3053	.0094	-179.281	.3170	.0055	30.465	.6223	.0144	11.615
	.899	-.1310	.0050	176.992	.3797	.0050	26.172	.5107	.0097	11.582
	.974				.2873	.0023	67.116			
	.990	.0850	.0047	159.793						
ETA = .871	.025	-1.0364	.0187	-163.598	.0155	.0274	28.505	1.0519	.0459	23.600
	.084	-1.0579	.0278	-152.312	-.1310	.0210	23.382	.9269	.0488	25.835
	.143	-.9072	.0625	-156.246	-.1784	.0175	14.819	.7288	.0798	21.803
	.202	-.6625	.0174	8.391	-.2341	.0222	14.758	.4283	.0053	36.225
	.301	-.6199	.0561	100.050	-.3526	.0286	10.242	.2674	.0629	-52.898
	.354	-.5750	.0518	158.696	-.2978	.0304	13.602	.2772	.0787	-8.530
	.407	-.5006	.0266	155.024	-.3164	.0383	10.614	.1842	.0619	-3.870
	.460	-.5942	.0502	175.853	-.2996	.0451	11.740	.2946	.0944	3.369
	.513	-.5838	.0666	-179.357	-.2468	.0504	12.967	.3369	.1163	5.949
	.566	-.5328	.0774	-174.204	-.1942	.0560	15.454	.3386	.1329	9.848
	.680	-.5542	.0900	-168.531	-.0389	.0673	13.678	.3931	.1573	12.414
	.742	-.2510	.1077	-169.686	.1226	.0794	14.412	.3736	.1870	12.053
	.830	-.1981	.0636	-162.403	.3102	.0522	23.194	.5083	.1157	20.120
	.910	-.0357	.0036	42.237	.3573	.0335	31.945	.3930	.0300	30.715
	.975				.2899	.0114	59.271			
	.990	.1093	.0277	-176.041						
ETA = .972	.025	-1.0482	.0254	-165.359	-.0828	.0345	28.522	.9653	.0595	22.641
	.092	-.9521	.1015	179.247	-.1978	.0246	26.507	.7544	.1239	4.465
	.126				-.2518	.0220	14.688			
	.160	-.7408	.0112	-167.253						
	.227	-.4619	.0099	82.229	-.3329	.0189	8.476	.1290	.0187	-22.032
	.294	-.3692	.0172	-178.419	-.3005	.0190	12.649	.0688	.0360	7.391
	.362	-.3828	.0248	178.404	-.2578	.0218	24.670	.1250	.0454	10.676
	.430	-.3802	.0317	-179.369	-.2899	.0236	18.297	.0903	.0547	8.160
	.497	-.3569	.0322	178.348	-.2487	.0231	16.717	.1082	.0546	6.009
	.565	-.2990	.0340	-170.201	-.1533	.0202	22.169	.1457	.0539	14.403
	.632	-.2941	.0356	-173.959	-.0314	.0134	30.937	.2626	.0481	12.778
	.700	-.2696	.0362	-173.277	.0905	.0071	51.541	.3601	.0415	13.643
	.767	-.1976	.0317	-169.687	.2224	.0061	125.116	.4200	.0297	21.072
	.835	-.1456	.0292	-175.533	.2988	.0123	157.854	.4444	.0190	21.307
	.902	-.0844	.0258	-175.056	.3310	.0163	166.152	.4155	.0116	31.801
	.973				.2091	.0136	177.876			
	.990	.0524	.0134	-176.803						
ETA = .875	.084	-.8799	.0670	-146.262						
	.143	-.6109	.0056	-133.621						
	.202									
	.301	-.5991	.0400	-179.906						
	.407									
	.513	-.3098	.0844	-174.397						
	.680	-.2081	.0615	-161.817						
	.830									
ETA = .981	.160				-.3233	.0190	16.950			

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367

POINT NUMBER 524

MACH = .802
 $Q = 202.300$ PSF
 DELTA (MEAN) = .078 DEG
 RN = 3.805×10^6
 GAMMA = 1.132
 DELTA (AMPL) = 1.031 DEG

H = 793.850 PSF
 P = 556.175 PSF
 OSCILLATION FREQUENCY = 20.000 HZ
 ALPHA = 2.029 DEG
 CPSTAR = -.481
 K = .577

ANALYZED VALUES : DELTA (MEAN) = .249 DEG DELTA (AMPL) = .998 DEG OSCILLATION FREQUENCY = 20.015 HZ K = .577

	X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-1.1508	.0014	-143.778	-.0055	.0029	14.653	1.1452	.0042	21.636
	.087	-.9997	.0046	-164.307	-.1486	.0019	23.829	.8511	.0065	18.069
	.148	-.8852	.0063	-139.840	-.1960	.0021	23.809	.6892	.0079	-29.150
	.209	-.6754	.0075	-99.811	-.1608	.0014	-3.960	.5146	.0071	69.695
	.294	-.7938	.0153	-135.229	-.2676	.0034	18.777	.5362	.0181	39.394
	.350	-.6870	.0137	-89.857	-.2620	.0030	18.578	.4251	.0135	77.510
	.407	-.7032	.0185	-27.423	-.2611	.0030	-44.530	.4722	.0181	152.949
	.463	-.7458	.0231	25.682	-.2619	.0034	20.831	.4639	.0202	177.655
	.519	-.6893	.0327	94.184	-.2670	.0034	22.832	.4833	.0300	-154.605
	.579	-.6191	.0358	94.540	-.2622	.0027	11.490	.4857	.0356	-81.943
	.659	-.4992	.0172	150.339	-.2609	.0021	14.320	.5501	.0189	-25.654
	.739	-.4227	.0079	171.161	-.2618	.0018	33.618	.6406	.0096	-4.602
	.819	-.3075	.0053	172.226	-.2617	.0009	33.618	.6246	.0060	-1.846
	.899	-.1304	.0032	179.667	-.2627	.0021	25.394	.5131	.0052	9.817
	.974						79.711			
	.990	.0897	.0025	151.556	.2924	.0010				
ETA = .871	.025	-1.0572	.0016	176.066	-.0231	.0059	13.208	1.0803	.0074	9.575
	.084	-1.0629	.0028	-119.741	-.1328	.0051	11.544	.9403	.0070	31.287
	.143	-.8395	.0141	-119.598	-.1328	.0044	8.865	.6667	.0164	53.117
	.202	-.6854	.0101	85.143	-.2272	.0064	8.927	.4583	.0040	-144.234
	.301	-.5990	.0371	84.139	-.3424	.0087	-1.564	.2565	.0373	-82.438
	.354	-.5753	.0312	140.106	-.3821	.0109	13.726	.2832	.0387	-26.779
	.407	-.4981	.0148	141.899	-.3868	.0116	8.415	.1914	.0243	-17.825
	.460	-.5820	.0232	141.899	-.3868	.0144	16.711	.2966	.0400	3.744
	.513	-.5766	.0239	141.899	-.3868	.0144	18.035	.3354	.0415	10.878
	.566	-.5321	.0299	141.899	-.3868	.0144	17.283	.3451	.0492	16.932
	.680	-.3622	.0266	141.899	-.3868	.0144	18.412	.4050	.0562	18.500
	.742	-.2577	.0406	141.899	-.3868	.0144	18.979	.3866	.0681	17.145
	.830	-.2040	.0244	141.899	-.3868	.0144	28.275	.5234	.0445	25.733
	.910	-.0361	.0014	28.469	.3573	.0126	35.006	.3934	.0112	35.820
	.975						54.024			
	.990	.1147	.0102	-170.228	.2953	.0041				
ETA = .972	.025	-1.0588	.0031	136.487	-.0704	.0081	6.988	.9885	.0104	-6.373
	.092	-.8974	.0347	96.091	-.1932	.0060	19.388	.7042	.0338	-73.969
	.150				-.2425	.0050	11.306			
	.209	-.7551	.0156	-157.093	-.3237	.0054	8.965	.1463	.0128	-11.934
	.267	-.4700	.0080	-154.132	-.2925	.0066	20.094	.0813	.0150	17.524
	.325	-.3738	.0084	-164.495	-.2479	.0062	33.478	.1319	.0157	5.464
	.383	-.3798	.0108	-168.776	-.2890	.0067	23.514	.0939	.0192	9.603
	.441	-.3282	.0117	-178.583	-.2425	.0086	27.837	.1130	.0192	5.998
	.499	-.2955	.0126	-170.130	-.1465	.0075	27.580	.1497	.0200	18.794
	.557	-.2962	.0131	-166.423	-.0946	.0048	47.794	.2658	.0171	18.582
	.615	-.2940	.0132	-171.719	-.0946	.0025	80.503	.3615	.0135	14.423
	.673	-.2669	.0127	-175.943	-.2237	.0040	130.636	.4228	.0096	30.337
	.731	-.1957	.0110	-170.626	-.2999	.0044	150.432	.4456	.0066	26.195
	.789	-.1457	.0099	-174.527	.3324	.0058	163.769	.4142	.0038	51.807
	.847	-.0818	.0080	-170.445	.2067	.0050	174.407			
	.905									
	.990	.0523	.0042	-179.087						
ETA = .875	.084	-.8093	.0149	-85.207						
	.143	-.6005	.0140	48.435						
	.202									
	.261	-.6002	.0209	159.147						
	.320									
	.379	-.3152	.0307	-171.914						
	.438	-.2162	.0213	-150.389						
ETA = .981	.160				-.3116	.0053	29.507			

Table 4. Continued

U N S T E A D Y P R E S S U R E S - TDT TEST 367									
POINT NUMBER 525	MACH = .800	RN = 3.798*10E6	H = 793.600 PSF	ALPHA = 2.029 DEG					
	Q = 201.600 PSF	GAMMA = 1.132	P = 556.925 PSF	CPSTAR = -.487					
	DELTA (MEAN) = -.007 DEG	DELTA (AMPL) = 2.049 DEG	OSCILLATION FREQUENCY = 20.000 HZ	K = .578					
ANALYZED VALUES :	DELTA (MEAN) = .158 DEG	DELTA (AMPL) = 2.017 DEG	OSCILLATION FREQUENCY = 20.015 HZ	K = .579					
X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025 -1.0939	.0023	-102.211	-.0324	.0037	55.339	1.0614	.0059	63.913
	.087 -.9687	.0056	-127.378	-.1670	.0026	36.544	.8017	.0081	47.541
	.148 -.9353	.0053	-125.151	-.2168	.0015	53.065	.7184	.0068	54.456
	.209 -.8560	.0106	-128.197	-.1795	.0010	17.416	.6765	.0114	48.973
	.294 -.6573	.0064	12.136	-.2716	.0023	-39.005	.3857	.0053	-147.999
	.350 -.7105	.0033	1.701	-.2806	.0006	-14.581	.4299	.0027	-174.765
	.407 -.7840	.0023	-8.359	-.2510	.0018	-37.826	.5330	.0011	-137.972
	.463 -.8012	.0031	61.045	-.2993	.0031	-6.305	.5020	.0034	-62.630
	.519 -.7830	.0041	21.439	-.2209	.0038	-22.590	.5620	.0030	-95.941
	.579 -.7645	.0131	65.451	-.1391	.0018	-44.997	.6254	.0138	-107.545
	.659 -.4711	.0186	135.423	.0468	.0031	-1.860	.5179	.0210	-38.707
	.739 -.4186	.0172	167.565	.2101	.0027	-15.726	.6287	.0199	-12.881
	.819 -.3044	.0120	-168.984	.3136	.0023	-3.614	.6180	.0142	8.677
	.899 -.1307	.0058	-158.322	.3768	.0025	-11.450	.5075	.0080	11.858
	.974			.2865	.0002	-112.249			
	.990	.0858	.0033	168.447					
ETA = .871	.025 -.9980	.0022	-172.910	-.0052	.0062	-15.251	.9929	.0083	-9.453
	.084 -1.0334	.0020	-166.062	-.1480	.0060	-29.757	.8854	.0076	-19.245
	.143 -.9253	.0050	-136.521	-.1935	.0061	-31.634	.7318	.0088	1.566
	.202 -.7935	.0063	-66.535	-.2485	.0116	-25.676	.5450	.0080	5.413
	.301 -.6481	.0217	63.537	-.3686	.0176	-19.701	.2795	.0263	-74.779
	.354 -.6569	.0519	87.523	-.3114	.0207	-7.010	.3455	.0574	-71.398
	.407 -.5071	.0328	88.647	-.3290	.0231	-1.762	.1782	.0403	-56.333
	.460 -.5839	.0589	159.516	-.3119	.0312	1.526	.2720	.0886	-12.900
	.513 -.5942	.0752	-171.971	-.2560	.0369	3.913	.3382	.1120	6.675
	.566 -.5571	.0801	-168.805	-.2009	.0395	14.439	.3562	.1196	12.266
	.680 -.3585	.0670	-159.206	.0369	.0490	13.278	.3954	.1158	17.620
	.742 -.2535	.0785	-162.141	.1224	.0574	14.992	.3760	.1359	16.648
	.830 -.2057	.0475	-152.532	.3100	.0396	23.999	.5157	.0871	25.891
	.910 -.0381	.0068	-.820	.3576	.0257	27.653	.3958	.0200	36.987
	.975			.2922	.0091	49.889			
	.990	.1128	.0174	-164.137					
ETA = .972	.025 -1.0157	.0050	129.293	-.1027	.0104	-18.489	.9130	.0149	-28.816
	.092 -.9822	.0109	123.839	-.2130	.0101	-16.725	.7692	.0198	-37.225
	.126			-.2697	.0094	-23.918			
	.160 -.8559	.0572	89.907	-.3517	.0102	-21.802	.0875	.0422	11.472
	.227 -.4392	.0341	-159.083	-.3131	.0126	-2.999	.0419	.0296	22.465
	.294 -.3550	.0190	-140.968	-.2679	.0155	6.819	.1188	.0345	14.950
	.362 -.3867	.0193	-158.527	-.2981	.0165	5.572	.0898	.0426	5.664
	.430 -.3879	.0261	-174.277	-.2554	.0163	8.789	.1086	.0375	6.909
	.497 -.3639	.0212	-174.537	-.1575	.0159	15.440	.1478	.0406	17.384
	.565 -.3053	.0247	-161.364	-.0333	.0120	28.982	.2668	.0337	18.251
	.632 -.3001	.0220	-167.578	.0891	.0072	32.741	.3649	.0288	19.964
	.700 -.2758	.0218	-164.225	.2211	.0029	88.081	.4252	.0216	25.898
	.767 -.2041	.0204	-161.324	.2979	.0056	147.994	.4484	.0141	24.804
	.835 -.1505	.0178	-170.461	.3277	.0093	166.208	.4169	.0061	37.222
	.902 -.0892	.0140	-173.866	.2065	.0070	176.024			
	.973								
	.990	.0497	.0053	-170.073					
ETA = .875	.084 -.8951	.0044	-129.938	-.3437	.0096	-20.263			
	.143 -.7525	.0058	-69.009						
	.202								
	.301 -.5947	.0532	117.336						
	.407								
	.513 -.3151	.0628	-164.192						
	.680 -.2151	.0434	-152.768						
	.830								
ETA = .981	.160								

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367										
POINT NUMBER 526		MACH = .805		RN = 3.814*10E6		H = 794.925 PSF		ALPHA = 2.029 DEG		
		Q = 203.761 PSF		GAMMA = 1.132		P = 555.175 PSF		CPSTAR = -.470		
		DELTA (MEAN) = -.103 DEG		DELTA (AMPL) = 3.032 DEG		OSCILLATION FREQUENCY = 20.000 HZ		K = .574		
ANALYZED VALUES :		DELTA (MEAN) = .065 DEG		DELTA (AMPL) = 2.973 DEG		OSCILLATION FREQUENCY = 20.015 HZ		K = .575		
	X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-1.1124	.0020	-109.404	-.0186	.0045	17.089	1.0938	.0059	32.869
	.087	-.9815	.0059	-137.465	-.1562	.0041	1.447	.8253	.0094	25.850
	.148	-.9281	.0029	-126.619	-.2059	.0035	-6.885	.7222	.0055	20.133
	.209	-.7043	.0094	71.126	-1.700	.0040	-.796	.5342	.0090	-83.885
	.294	-.7459	.0057	-175.004	-.2612	.0057	1.829	.4848	.0114	3.412
	.350	-.7484	.0053	175.797	-2.708	.0050	1.266	.4776	.0103	1.548
	.407	-.7840	.0083	-146.748	-2.405	.0068	-9.299	.5436	.0141	14.192
	.463	-.7696	.0118	-80.848	-2.903	.0070	-12.752	.4793	.0113	63.899
	.519	-.7140	.0308	-32.933	-2.218	.0062	7.373	.5022	.0264	138.322
	.579	-.6443	.0565	27.471	-1.332	.0066	10.112	.5112	.0502	-150.282
	.659	-.4924	.0377	120.578	.0502	.0067	9.273	.5426	.0406	-50.581
	.739	-.4222	.0235	148.569	.2130	.0049	7.714	.6353	.0275	-24.967
	.819	-.3033	.0144	163.361	.3171	.0045	12.619	.6204	.0185	-9.795
	.899	-.1281	.0062	176.816	.3795	.0044	14.954	.5076	.0105	4.332
	.974				.2887	.0027	63.826			
	.990	.0873	.0050	143.901						
ETA = .871	.025	-1.0235	.0013	117.933	-.0116	.0098	-17.239	1.0351	.0108	-22.124
	.084	-1.0487	.0009	76.757	-.1332	.0105	-26.312	.9155	.0107	-30.994
	.143	-.9205	.0004	10.157	-1.800	.0107	-25.138	.7406	.0104	-26.414
	.202	-.6755	.0176	7.042	-2.368	.0177	-16.274	.4387	.0071	-93.829
	.301	-.6461	.0558	74.046	-3.562	.0269	-8.673	.2900	.0588	-78.964
	.354	-.5811	.0730	103.445	-2.988	.0367	-2.070	.2824	.0864	-56.541
	.407	-.4881	.0350	117.492	-3.183	.0369	1.575	.1698	.0610	-29.519
	.460	-.5925	.0873	164.188	-3.031	.0453	2.951	.2893	.1310	-9.426
	.513	-.5879	.0998	-179.971	-2.479	.0528	9.846	.3400	.1521	3.422
	.566	-.5329	.1004	-166.483	-1.937	.0582	15.599	.3392	.1586	14.281
	.680	-.3487	.0951	-162.820	.0387	.0714	14.550	.3873	.1685	16.052
	.742	-.2439	.1140	-164.167	.1228	.0841	15.248	.3667	.1981	15.584
	.830	-.1942	.0695	-155.974	.3103	.0581	24.003	.5045	.1276	24.015
	.910	-.0351	.0023	10.929	.3583	.0374	32.513	.3934	.0353	33.887
	.975				.2917	.0138	55.796			
	.990	.1115	.0304	-173.553						
ETA = .972	.025	-1.0330	.0083	120.012	-.0880	.0154	-10.380	.9450	.0217	-27.302
	.092	-.9786	.0319	106.657	-.2014	.0149	-3.476	.7772	.0396	-52.646
	.126				-.2559	.0135	-16.159			
	.160	-.7504	.0595	106.554						
	.227	-.4679	.0566	-171.056	-.3368	.0156	-11.260	.1310	.0714	4.619
	.294	-.3620	.0242	-157.610	-.3034	.0184	.771	.0586	.0419	13.070
	.362	-.3814	.0287	-172.504	-.2593	.0211	17.136	.1222	.0486	11.579
	.430	-.3797	.0335	-174.450	-.2902	.0246	13.478	.0895	.0580	8.906
	.497	-.3556	.0339	-179.632	-.2493	.0243	10.140	.1063	.0580	4.446
	.565	-.2975	.0349	-166.218	-.1535	.0200	18.530	.1440	.0549	15.512
	.632	-.2926	.0342	-171.308	-.0310	.0152	27.883	.2616	.0488	14.567
	.700	-.2684	.0356	-166.374	.0911	.0097	45.690	.3595	.0441	20.328
	.767	-.1962	.0313	-164.262	.2239	.0070	98.828	.4201	.0329	27.938
	.835	-.1441	.0273	-173.029	.3004	.0105	142.470	.4444	.0211	27.351
	.902	-.0835	.0231	-174.421	.3310	.0158	157.697	.4146	.0117	44.549
	.973				.2097	.0119	171.090			
	.990	.0537	.0099	-179.108						
ETA = .875	.084	-.8951	.0015	75.171						
	.143	-.6398	.0193	27.474						
	.202									
	.301	-.5871	.0616	148.038						
	.407									
	.513	-.3071	.0879	-169.504						
	.680	-.2038	.0645	-153.859						
	.830									
ETA = .981	.160				-.3284	.0137	-5.670			

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367									
POINT NUMBER 528		MACH = .702		RN = 4.252*10E6		H = 947.250 PSF		ALPHA = -.001 DEG	
		Q = 200.844 PSF		GAMMA = 1.132		P = 720.050 PSF		CPSTAR = -.859	
		DELTA (MEAN) = -.003 DEG		DELTA (AMPL) = 1.037 DEG		OSCILLATION FREQUENCY = 4.950 HZ		K = .163	
ANALYZED VALUES :		DELTA (MEAN) = .202 DEG		DELTA (AMPL) = 1.002 DEG		OSCILLATION FREQUENCY = 4.983 HZ		K = .164	
X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-.7381	.0136	7.485	-.2833	.0111	-178.529	.4547	-.175.217
	.087	-.5097	.0071	19.850	-.2925	.0077	-173.065	.2172	-166.966
	.148	-.4512	.0057	13.873	-.2856	.0056	-159.938	.1657	-163.211
	.209	-.4278	.0036	33.264	-.2453	.0025	-124.441	.1825	-137.623
	.294	-.4703	.0030	21.974	-.3074	.0021	-102.868	.1629	-135.713
	.350	-.4637	.0019	18.356	-.3034	.0042	-104.871	.1603	-121.741
	.407	-.4694	.0007	173.170	-.2562	.0035	-122.788	.2132	-111.639
	.463	-.4630	.0057	87.376	-.3013	.0011	-143.406	.1616	-100.214
	.519	-.4285	.0025	82.959	-.2226	.0030	-86.934	.2059	-91.527
	.579	-.4527	.0014	158.457	-.1483	.0014	-66.502	.3044	-44.023
	.659	-.4011	.0015	139.884	.0238	.0026	-30.200	.4249	-33.898
	.739	-.3597	.0010	-50.013	.1861	.0029	-56.032	.5458	-59.181
	.819	-.2837	.0023	-145.562	.2905	.0008	-106.561	.5742	17.740
	.899	-.1432	.0010	148.754	.3519	.0006	49.068	.4951	-3.001
	.974				.2669	.0018	6.429		
	.990	.0859	.0019	23.819					
ETA = .871	.025	-.5357	.0147	10.667	-.2798	.0127	-156.211	.2560	-163.253
	.084	-.4652	.0067	41.954	-.2886	.0045	-151.259	.1766	-143.349
	.143	-.4220	.0032	59.320	-.2785	.0030	-120.085	.1435	-120.392
	.202	-.4412	.0030	113.110	-.3071	.0019	-84.174	.1341	-73.578
	.301	-.3385	.0059	153.853	-.3898	.0043	-7.045	.0513	-18.108
	.354	-.3900	.0068	149.032	-.3189	.0084	-18.908	.0710	-24.301
	.407	-.3332	.0060	179.736	-.3263	.0071	-19.415	.0069	-10.651
	.460	-.4093	.0109	178.035	-.2953	.0096	1.238	.1140	-.437
	.513	-.4160	.0122	171.009	-.2377	.0130	-1.320	.1783	-5.033
	.566	-.3949	.0156	175.947	-.1896	.0140	4.040	.2053	-.226
	.680	-.2992	.0266	-177.244	.0274	.0190	7.561	.3266	4.758
	.742	-.2155	.0328	-176.613	.1103	.0248	4.767	.3257	3.981
	.830	-.1945	.0239	-171.394	.2973	.0155	4.205	.4918	6.875
	.910	-.0407	.0020	99.393	.3456	.0091	17.221	.3864	4.570
	.975				.2844	.0060	15.152		
	.990	.1153	.0022	165.803					
ETA = .972	.025	-.5383	.0094	48.833	-.3710	.0105	-123.608	.1673	-.127.178
	.092	-.4484	.0037	89.002	-.3006	.0033	-89.672	.1478	-90.373
	.126				-.3111	.0033	-65.188		
	.160	-.4682	.0038	127.549	-.3142	.0043	-42.120	.0447	-32.614
	.227	-.3589	.0028	162.078	-.2786	.0026	-24.137	.0054	-11.466
	.294	-.2840	.0050	175.083	-.2387	.0052	-7.070	.0551	-11.892
	.362	-.2937	.0040	143.120	-.2612	.0063	-13.938	.0295	-8.368
	.430	-.2908	.0042	-179.997	-.2275	.0056	-6.906	.0596	-.051
	.497	-.2871	.0074	-174.690	-.1425	.0063	-2.753	.0984	-3.736
	.565	-.2409	.0073	175.415	-.0921	.0057	-12.672	.2175	-5.879
	.632	-.2442	.0072	179.494	.2236	.0019	6.506	.3193	7.006
	.700	-.2271	.0077	-172.871	.2990	.0012	26.502	.3868	2.397
	.767	-.1632	.0067	-178.202	.3290	.0011	-131.836	.4156	-5.765
	.835	-.1165	.0047	-174.860	.2097	.0052	-174.967	.3946	89.331
	.902	-.0656	.0055	-160.851		.0024	156.741		
	.973								
	.990	.0550	.0035	-176.045					
ETA = .875	.084	-.4230	.0052	51.656	-.3140	.0026	-33.845		
	.143	-.3758	.0033	64.479					
	.202								
	.301	-.4032	.0076	171.072					
	.407								
	.513	-.2581	.0250	-177.482					
	.680	-.2050	.0246	-174.528					
	.830								
ETA = .981	.160								

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367									
POINT NUMBER 529	MACH = .698	RN = 4.234*10E6	H = 946.550 PSF	ALPHA = -.001 DEG					
	Q = 198.911 PSF	GAMMA = 1.132	P = 721.875 PSF	CPSTAR = -.878					
	DELTA (MEAN) = -.435 DEG	DELTA (AMPL) = 1.992 DEG	OSCILLATION FREQUENCY = 5.000 HZ	K = .165					
ANALYZED VALUES :	DELTA (MEAN) = .143 DEG	DELTA (AMPL) = 2.030 DEG	OSCILLATION FREQUENCY = 4.986 HZ	K = .165					
X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-.7443	.0334	7.854	-.2925	.0208	-175.371	.4517	.0542
	.087	-.5161	.0153	6.881	-.3014	.0135	-175.317	.2147	.0288
	.148	-.4570	.0105	9.985	-.2924	.0063	-168.017	.1646	.0168
	.209	-.4333	.0067	11.411	-.2351	.0075	-148.686	.1782	.0140
	.294	-.4762	.0062	23.557	-.3153	.0045	-157.385	.1610	.0107
	.350	-.4713	.0051	28.559	-.3129	.0040	-154.066	.1584	.0091
	.407	-.4783	.0044	41.834	-.3238	.0033	-176.453	.2145	.0073
	.463	-.4722	.0085	33.201	-.3386	.0020	-148.570	.1637	.0105
	.519	-.4393	.0023	85.402	-.2995	.0027	-127.680	.2098	.0048
	.579	-.4630	.0036	96.907	-.1536	.0016	-83.628	.3094	.0052
	.659	-.4098	.0025	138.913	.0217	.0027	-63.213	.4315	.0051
	.739	-.3680	.0031	155.780	.1849	.0011	-20.511	.5529	.0042
	.819	-.2888	.0025	173.538	.3298	.0019	-81.244	.5786	.0035
	.899	-.1463	.0017	-179.269	.3312	.0011	-33.144	.4974	.0027
	.974			.2666	.0009				
	.990	.0846	.0004	55.786			-93.259		-12.473
ETA = .871	.025	-.5365	.0331	23.034	-.2905	.0232	-154.400	.2459	.0563
	.084	-.4722	.0152	33.780	-.2884	.0113	-145.129	.1739	.0265
	.143	-.4280	.0094	48.265	-.2887	.0063	-115.289	.1333	.0155
	.202	-.4490	.0061	73.954	-.3167	.0048	-71.782	.1333	.0104
	.301	-.3446	.0062	141.604	-.3396	.0103	-21.486	.0550	.0163
	.354	-.3971	.0092	156.961	-.3384	.0131	-12.614	.0637	.0222
	.407	-.3398	.0127	164.213	-.3356	.0172	-7.778	.0042	.0298
	.460	-.4160	.0188	169.512	-.3454	.0218	-4.101	.1106	.0405
	.513	-.4242	.0246	176.712	-.2464	.0266	1.426	.1779	.0514
	.566	-.4013	.0316	179.459	-.1967	.0332	4.313	.2046	.0647
	.680	-.3047	.0540	-176.441	.0221	.0421	3.059	.3288	.0947
	.742	-.2179	.0673	-176.558	.1559	.0513	5.446	.3288	.1186
	.830	-.1969	.0497	-175.341	.2941	.0335	7.202	.4610	.0832
	.910	-.0454	.0047	64.278	.3436	.0218	7.852	.3890	.0196
	.975			.2821	.0096		8.897		
	.990	.1136	.0044	-176.760					-3.675
ETA = .972	.025	-.5389	.0250	48.222	-.3837	.0219	-128.863	.1552	.0469
	.092	-.4539	.0096	73.067	-.3108	.0074	-99.352	.1430	.0170
	.126				-.3208	.0065	-73.328		-130.417
	.160	-.4761	.0057	100.862					-103.634
	.227	-.3647	.0061	136.746	-.3232	.0069	-21.811	.0415	.0128
	.294	-.2884	.0073	152.278	-.2872	.0103	-10.134	.0012	.0174
	.362	-.3001	.0096	170.885	-.2455	.0112	-1.270	.0046	.0207
	.430	-.2964	.0122	175.316	-.2681	.0137	1.369	.0083	.0259
	.497	-.2924	.0140	176.548	-.2345	.0154	4.342	.0083	.0293
	.565	-.2464	.0152	176.373	-.1482	.0154	5.445	.0082	.0305
	.632	-.2501	.0151	177.571	-.0313	.0120	4.851	.0082	.0270
	.700	-.2323	.0148	-179.946	.0889	.0086	8.733	.0082	.0233
	.767	-.1677	.0139	175.114	.2206	.0033	2.341	.0082	.0169
	.835	-.1192	.0113	178.011	.2998	.0030	1.099	.0082	.0095
	.902	-.0684	.0085	175.930	.3255	.0058	175.295	.0082	.0029
	.973			.2073	.0040				
	.990	.0519	.0023	165.533			-177.542		-21.798
ETA = .875	.084	-.4305	.0099	52.144					
	.143	-.3828	.0059	53.202					
	.202								
	.301								
	.407	-.4107	.0138	162.210					
	.513								
	.680	-.2637	.0508	-179.524					
	.830	-.2077	.0479	-174.749					
ETA = .981	.160				-.3242	.0049	-49.690		

Table 4. Continued

UNSTEADY PRESSURES -					TDT TEST 367					
POINT NUMBER 530		MACH = .701		RN = 4.246*10E6		H = 947.425 PSF		ALPHA = -.003 DEG		
		Q = 200.279 PSF		GAMMA = 1.132		P = 720.975 PSF		CPSTAR = -.865		
		DELTA (MEAN) = .572 DEG		DELTA (AMPL) = 2.961 DEG		OSCILLATION FREQUENCY = 4.975 HZ		K = .164		
ANALYZED VALUES :		DELTA (MEAN) = .091 DEG		DELTA (AMPL) = 3.019 DEG		OSCILLATION FREQUENCY = 4.986 HZ		K = .164		
	X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-.7524	.0460	9.388	-.2905	.0306	-175.694	.4620	.0765	-172.642
	.087	-.5150	.0218	12.383	-.2992	.0187	-169.712	.2158	.0405	-168.585
	.148	-.4550	.0148	13.768	-.2926	.0098	-167.398	.1624	.0246	-166.696
	.209	-.4331	.0090	21.442	-.2534	.0128	-155.596	.1797	.0218	-156.819
	.294	-.4757	.0090	27.175	-.3140	.0072	-157.766	.1617	.0162	-155.021
	.350	-.4704	.0078	37.645	-.3121	.0068	-157.043	.1583	.0145	-149.193
	.407	-.4765	.0081	43.910	-.2623	.0050	-160.864	.2142	.0128	-145.502
	.463	-.4699	.0088	43.732	-.3079	.0042	-164.257	.1621	.0127	-145.223
	.519	-.4349	.0041	80.317	-.2287	.0025	-126.271	.2062	.0064	-109.699
	.579	-.4598	.0044	122.590	-.1537	.0014	-113.730	.3060	.0053	-70.094
	.659	-.4067	.0045	129.358	.0203	.0019	-34.990	.4271	.0064	-46.012
	.739	-.3668	.0067	153.861	.1831	.0018	-26.694	.5499	.0085	-26.257
	.819	-.2879	.0059	160.977	.2889	.0027	-51.179	.5768	.0083	-28.979
	.899	-.1470	.0045	168.593	.3490	.0003	-67.970	.4960	.0047	-14.479
	.974				.2649	.0024	-13.484			
	.990	.0844	.0013	66.522						
ETA = .871	.025	-.5367	.0484	22.538	-.2890	.0368	-156.956	.2476	.0852	-157.243
	.084	-.4709	.0228	35.955	-.2978	.0166	-146.939	.1731	.0394	-145.264
	.143	-.4262	.0129	53.861	-.2872	.0093	-126.878	.1391	.0222	-126.448
	.202	-.4468	.0097	79.522	-.3153	.0074	-73.670	.1315	.0166	-88.910
	.301	-.3416	.0126	143.531	-.3980	.0138	-17.755	.0565	.0260	-26.683
	.354	-.3939	.0169	155.066	-.3275	.0194	-11.490	.0665	.0361	-17.747
	.407	-.3371	.0202	164.660	-.3341	.0250	-4.184	.0030	.0450	-9.168
	.460	-.4143	.0276	171.677	-.3036	.0320	-1.510	.1108	.0595	-4.665
	.513	-.4211	.0385	174.177	-.2449	.0390	1.623	.1761	.0773	-2.076
	.566	-.4002	.0489	178.806	-.1968	.0482	3.499	.2034	.0970	1.136
	.680	-.3017	.0793	-178.094	.0205	.0608	4.022	.3221	.1401	2.825
	.742	-.2160	.0996	-177.033	.1040	.0739	4.295	.3200	.1735	3.533
	.830	-.1938	.0750	-175.894	.2916	.0474	7.696	.4854	.1223	5.496
	.910	-.0473	.0066	131.034	.3407	.0309	8.220	.3880	.0349	-.920
	.975				.2799	.0148	9.893			
	.990	.1117	.0071	174.252						
ETA = .972	.025	-.5411	.0387	47.781	-.3814	.0331	-130.385	.1597	.0718	-131.374
	.092	-.4545	.0148	76.093	-.3093	.0100	-104.213	.1452	.0248	-104.030
	.126				-.3196	.0086	-79.442			
	.160	-.4748	.0105	116.236	-.3223	.0099	-28.319	.0403	.0209	-33.841
	.227	-.3626	.0111	141.236	-.2863	.0122	-14.674	.0001	.0237	-19.510
	.294	-.2864	.0116	155.404	-.2456	.0151	-4.413	.0539	.0306	-8.709
	.362	-.2995	.0156	167.133	-.2683	.0181	-3.625	.0270	.0358	-6.672
	.430	-.2953	.0178	170.229	-.2347	.0209	-.113	.0570	.0421	-3.885
	.497	-.2917	.0213	172.415	-.1489	.0204	2.927	.0955	.0425	-.926
	.565	-.2443	.0221	179.079	-.0878	.0188	7.966	.2158	.0433	2.225
	.632	-.2488	.0247	177.859	.0330	.0124	7.279	.3187	.0360	4.143
	.700	-.2309	.0236	-177.504	.2196	.0045	28.579	.3861	.0262	4.393
	.767	-.1665	.0222	179.629	.2961	.0039	-179.171	.4137	.0138	-3.046
	.835	-.1176	.0177	177.807	.3252	.0083	175.868	.3938	.0062	-6.415
	.902	-.0686	.0145	174.892	.2063	.0066	171.150			
	.973									
	.990	.0513	.0039	-178.404						
ETA = .875	.084									
	.143	-.4304	.0153	58.476						
	.202	-.3814	.0091	76.649						
	.301									
	.407	-.4094	.0210	161.213						
	.513									
	.680	-.2617	.0748	178.836						
	.830	-.2036	.0719	-176.774						
ETA = .981	.160				-.3228	.0061	-42.395			

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367									
POINT NUMBER 531	MACH = .702	RN = 4.251*10E6	H = 948.150 PSF	ALPHA = -.002 DEG					
	Q = 200.949 PSF	GAMMA = 1.132	P = 720.850 PSF	CPSTAR = -.860					
	DELTA (MEAN) = .065 DEG	DELTA (AMPL) = 1.033 DEG	OSCILLATION FREQUENCY = 15.038 HZ	K = .494					
ANALYZED VALUES :	DELTA (MEAN) = .174 DEG	DELTA (AMPL) = 1.014 DEG	OSCILLATION FREQUENCY = 15.056 HZ	K = .494					
X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-.7505	.0078	-144.305	-.2906	.0052	46.050	.4599	.0129
	.087	-.5135	.0063	-152.649	-.3008	.0038	29.547	.2127	.0101
	.148	-.4531	.0045	-160.981	-.2914	.0017	18.410	.1617	.0062
	.209	-.4322	.0026	-157.395	-.2520	.0019	63.631	.1802	.0042
	.294	-.4752	.0033	-172.662	-.3116	.0026	26.717	.1635	.0058
	.350	-.4700	.0050	-143.318	-.3101	.0012	59.520	.1598	.0061
	.407	-.4757	.0054	-158.271	-.2613	.0021	18.116	.2144	.0075
	.463	-.4682	.0053	149.360	-.3065	.0015	16.094	.1617	.0064
	.519	-.4353	.0023	-130.649	-.2278	.0024	21.481	.2075	.0046
	.579	-.4598	.0034	-146.831	-.1523	.0028	-33.632	.3075	.0052
	.659	-.4074	.0034	-148.373	.0230	.0018	5.678	.4304	.0051
	.739	-.3659	.0031	-158.300	.1853	.0019	7.320	.5512	.0050
	.819	-.2868	.0028	-176.669	.2911	.0013	99.337	.5779	.0030
	.899	-.1453	.0016	-144.772	.3507	.0005	45.666	.4960	.0021
	.974				.2667	.0008	-62.426		.37.707
	.990	.0864	.0012	171.450					
ETA = .871	.025	-.5365	.0175	-167.075	-.2886	.0144	19.954	.2478	.0318
	.084	-.4690	.0134	-160.817	-.2962	.0090	9.355	.1728	.0273
	.143	-.4251	.0096	-163.170	-.2862	.0077	2.557	.1389	.0171
	.202	-.4456	.0102	-165.843	-.3152	.0086	2.244	.1304	.0187
	.301	-.3423	.0096	-160.602	-.3966	.0107	6.484	-.0543	.0202
	.354	-.3939	.0113	-163.549	-.3249	.0106	14.597	.0691	.0219
	.407	-.3380	.0116	-170.077	-.3326	.0126	5.954	.0054	.0242
	.460	-.4147	.0133	-163.174	-.3028	.0144	7.361	.1120	.0276
	.513	-.4233	.0160	-166.833	-.2434	.0156	12.581	.1799	.0277
	.566	-.4007	.0184	-162.216	-.1940	.0158	12.876	.2067	.0316
	.680	-.3030	.0305	-162.923	.0245	.0219	14.684	.3274	.0324
	.742	-.2173	.0369	-162.896	.1087	.0270	13.643	.3260	.0324
	.830	-.1964	.0270	-161.799	.2963	.0188	25.502	.4928	.0639
	.910	-.0434	.0013	-177.833	.3457	.0123	31.378	.4577	.0457
	.975				.2838	.0054	23.091	.3890	.0134
	.990	.1145	.0042	-147.348					
ETA = .972	.025	-.5400	.0214	-158.120	-.3809	.0201	20.628	.1591	.0415
	.092	-.4544	.0117	-159.164	-.3090	.0098	15.840	.1454	.0215
	.126				-.3191	.0068	6.505		
	.160	-.4740	.0100	-158.464					
	.227	-.3625	.0074	-155.746	-.3214	.0072	-3.453	-.0411	.0142
	.294	-.2852	.0063	-145.797	-.2856	.0080	8.065	-.0005	.0139
	.362	-.2988	.0075	-156.745	-.2440	.0070	18.692	.0548	.0145
	.430	-.2944	.0083	-157.755	-.2658	.0070	7.283	.0286	.0152
	.497	-.2919	.0090	-157.240	-.2326	.0068	-4.684	.0593	.0154
	.565	-.2451	.0099	-158.034	-.1463	.0077	6.560	.0988	.0174
	.632	-.2498	.0091	-163.590	-.0294	.0055	8.121	.2204	.0146
	.700	-.2307	.0078	-163.162	.0905	.0033	19.104	.3212	.0111
	.767	-.1665	.0077	-158.236	.2229	.0011	-5.634	.3894	.0087
	.835	-.1188	.0062	-154.604	.2987	.0012	130.361	.4175	.0060
	.902	-.0679	.0053	-166.814	.3269	.0021	172.555	.3948	.0034
	.973				.2083	.0031	-169.050		
	.990	.0512	.0014	-154.971					
ETA = .875	.084								
	.143	-.4302	.0105	-163.391					
	.202	-.3811	.0089	-163.037					
	.301								
	.407	-.4109	.0114	-173.775					
	.513								
	.680	-.2625	.0279	-170.429					
	.830	-.2067	.0257	-163.429					
ETA = .981	.160				-.3210	.0060	3.964		

Table 4. Continued

U N S T E A D Y P R E S S U R E S - TDT TEST 367										
POINT NUMBER 533		MACH = .702		RN = 4.250*10E6		H = 948.550 PSF		ALPHA = -.002 DEG		
		Q = 201.033 PSF		GAMMA = 1.132		P = 721.150 PSF		CPSTAR = -.860		
		DELTA (MEAN) = .014 DEG		DELTA (AMPL) = 2.054 DEG		OSCILLATION FREQUENCY = 15.038 HZ		K = .494		
ANALYZED VALUES :		DELTA (MEAN) = .096 DEG		DELTA (AMPL) = 2.009 DEG		OSCILLATION FREQUENCY = 15.045 HZ		K = .494		
	X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-.7344	.0153	-147.724	-.2928	.0130	36.382	.4417	.0283	34.162
	.087	-.5154	.0083	-160.046	-.3007	.0100	41.277	.2147	.0180	31.618
	.148	-.4548	.0068	-158.335	-.2926	.0074	47.769	.1622	.0138	35.278
	.209	-.4328	.0048	-163.010	-.2551	.0075	44.381	.1777	.0120	33.748
	.294	-.4761	.0056	-163.056	-.3138	.0058	53.435	.1624	.0108	35.521
	.350	-.4706	.0059	-178.412	-.3111	.0054	49.348	.1595	.0103	24.346
	.407	-.4767	.0056	-173.746	-.2620	.0055	52.931	.2146	.0102	29.370
	.463	-.4695	.0066	142.959	-.3089	.0056	49.147	.1606	.0089	1.668
	.519	-.4369	.0039	-179.916	-.2301	.0043	44.723	.2068	.0076	23.551
	.579	-.4615	.0073	178.924	-.1534	.0035	41.396	.3081	.0102	12.374
	.659	-.4089	.0070	-178.933	-.0216	.0028	46.188	.4305	.0092	13.532
	.739	-.3664	.0064	172.216	.1835	.0037	54.762	.5500	.0087	14.267
	.819	-.2890	.0051	169.666	.2901	.0035	46.050	.5791	.0076	12.163
	.899	-.1461	.0034	171.582	.3455	.0038	58.696	.4956	.0060	27.249
	.974				.2655	.0020	73.242			
	.990	.0846	.0021	174.021						
ETA = .871	.025	-.5398	.0328	-164.480	-.2908	.0306	25.307	.2490	.0632	20.243
	.084	-.4707	.0213	-165.827	-.2983	.0197	20.746	.1724	.0409	17.331
	.143	-.4266	.0177	-170.869	-.2877	.0167	21.311	.1389	.0342	15.043
	.202	-.4467	.0181	-171.944	-.3165	.0180	20.544	.1302	.0359	14.283
	.301	-.3443	.0176	-171.084	-.3998	.0209	15.477	-.0555	.0384	12.478
	.354	-.3943	.0203	-174.033	-.3273	.0214	17.202	.0670	.0415	11.733
	.407	-.3385	.0197	178.061	-.3345	.0234	13.529	.0039	.0427	6.463
	.460	-.4156	.0275	-172.261	-.3041	.0269	14.985	.1115	.0543	11.322
	.513	-.4236	.0321	-170.555	-.2482	.0303	15.522	.1784	.0623	12.395
	.566	-.4008	.0384	-170.429	-.1969	.0341	17.834	.2039	.0723	13.457
	.680	-.3027	.0583	-168.356	-.0208	.0440	14.466	.3235	.1023	12.857
	.742	-.2158	.0726	-168.882	-.1052	.0530	15.992	.3210	.1255	13.174
	.830	-.1958	.0527	-166.529	-.2938	.0364	25.528	.4895	.0886	18.393
	.910	-.0469	.0048	32.538	.3439	.0251	32.764	.3908	.0203	32.817
	.975				.2820	.0115	40.470			
	.990	.1128	.0074	-163.527						
ETA = .972	.025	-.5411	.0424	-154.567	-.3847	.0410	32.404	.1564	.0832	28.860
	.092	-.4556	.0226	-160.143	-.3113	.0212	31.491	.1444	.0436	25.487
	.126				-.3221	.0170	22.779			
	.160	-.4756	.0183	-165.680	-.3238	.0123	20.907	-.0403	.0256	14.474
	.207	-.3641	.0134	-171.430	-.3239	.0136	20.994	-.0005	.0281	17.148
	.294	-.2874	.0146	-165.434	-.2468	.0137	23.892	.0541	.0285	15.553
	.362	-.2006	.0151	-172.007	-.2460	.0151	16.894	.0274	.0313	14.145
	.430	-.2954	.0162	-168.418	-.2656	.0144	17.083	.0570	.0321	9.587
	.497	-.2924	.0179	-178.256	-.2430	.0136	18.144	.0965	.0314	13.575
	.565	-.2421	.0179	-169.894	-.0361	.0109	23.457	.2181	.0291	12.909
	.632	-.2503	.0187	-173.103	-.0321	.0107	23.691	.2208	.0221	14.866
	.700	-.2325	.0164	-171.671	-.0282	.0061	23.662	.3885	.0181	21.290
	.767	-.1680	.0166	-171.036	-.2938	.0056	13.882	.4182	.0113	31.657
	.835	-.1194	.0140	-170.805	-.2938	.0079	15.402	.3947	.0065	53.597
	.902	-.0694	.0111	-170.827	.3253	.0057	167.884			
	.973				.2067					
	.990	.0512	.0050	-177.095						
ETA = .875	.084	-.4333	.0206	-173.320						
	.143	-.3832	.0164	-177.476						
	.202									
	.301	-.4129	.0228	-179.563						
	.407									
	.513	-.2637	.0535	-175.276						
	.680	-.2056	.0496	-168.917						
	.830									
ETA = .981	.160				-.3241	.0125	23.916			

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367									
POINT NUMBER 534		MACH = .700		RN = 4.243*10E6		H = 948.375 PSF		ALPHA = -.002 DEG	
		Q = 200.385 PSF		GAMMA = 1.132		P = 721.825 PSF		CPSTAR = -.866	
		DELTA (MEAN) = .040 DEG		DELTA (AMPL) = 3.039 DEG		OSCILLATION FREQUENCY = 15.038 HZ		K = .495	
ANALYZED VALUES :		DELTA (MEAN) = .030 DEG		DELTA (AMPL) = 2.980 DEG		OSCILLATION FREQUENCY = 15.056 HZ		K = .495	
X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-.7349	.0198	-134.727	-.2912	.0153	32.960	.4436	.0349
	.087	-.5155	.0112	-143.473	-.3000	.0117	38.610	.2154	.0229
	.148	-.4543	.0081	-144.211	-.2912	.0072	40.021	.1631	.0153
	.209	-.4326	.0059	-132.884	-.2535	.0068	37.700	.1791	.0127
	.294	-.4757	.0055	-139.737	-.3137	.0068	26.044	.1620	.0122
	.350	-.4702	.0068	-150.908	-.3123	.0065	23.376	.1579	.0133
	.407	-.4752	.0065	-154.690	-.2620	.0065	32.578	.2133	.0130
	.463	-.4683	.0060	162.051	-.3085	.0065	24.427	.1597	.0117
	.519	-.4348	.0035	-155.715	-.2278	.0066	21.850	.2070	.0101
	.579	-.4610	.0063	-168.639	-.1530	.0066	20.764	.3080	.0129
	.659	-.4080	.0054	-170.470	.0218	.0057	28.356	.4298	.0110
	.739	-.3663	.0058	-169.802	.1829	.0054	26.552	.5492	.0111
	.819	-.2871	.0044	177.830	.2905	.0050	28.209	.5776	.0091
	.899	-.1460	.0023	176.526	.3500	.0048	26.609	.4960	.0069
	.974				.2659	.0015	28.227		
	.990	.0857	.0012	178.472					
ETA = .871	.025	-.5400	.0422	-163.739	-.2895	.0394	19.955	.2505	.0816
	.084	-.4699	.0282	-161.014	-.2984	.0266	11.643	.1715	.0547
	.143	-.4262	.0226	-167.575	-.2875	.0231	12.072	.1387	.0457
	.202	-.4452	.0243	-173.674	-.3167	.0252	10.349	.1285	.0495
	.301	-.3427	.0238	-166.002	-.3999	.0317	10.681	.0573	.0555
	.354	-.3930	.0283	-170.292	-.3281	.0334	10.598	.0649	.0617
	.407	-.3376	.0277	179.373	-.3350	.0365	10.519	.0025	.0639
	.460	-.4142	.0371	-170.793	-.3050	.0417	10.880	.1092	.0788
	.513	-.4207	.0445	-171.658	-.2458	.0479	11.575	.1749	.0924
	.566	-.3974	.0548	-170.364	-.1983	.0537	12.843	.1991	.1085
	.680	-.2995	.0843	-169.009	.0190	.0677	12.685	.3185	.1520
	.742	-.2130	.1056	-168.987	.1023	.0796	13.350	.3154	.1852
	.830	-.1913	.0762	-166.255	.2924	.0547	22.439	.4837	.1305
	.910	-.0470	.0040	138.130	.3419	.0362	28.411	.3889	.0377
	.975				.2811	.0188	34.283		
	.990	.1123	.0086	-160.068					
ETA = .972	.025	-.5397	.0591	-157.786	-.3852	.0580	24.683	.1544	.1171
	.092	-.4548	.0308	-159.085	-.3124	.0297	21.190	.1424	.0605
	.126				-.3219	.0250	13.368		
	.160	-.4742	.0231	-161.150					
	.227	-.3637	.0186	-166.211	-.3238	.0210	10.636	.0399	.0396
	.294	-.2863	.0201	-166.061	-.2882	.0223	15.366	.0019	.0424
	.362	-.3008	.0216	-168.898	-.2467	.0209	13.481	.0541	.0425
	.430	-.2940	.0215	-169.713	-.2686	.0230	10.921	.0254	.0445
	.497	-.2912	.0234	-172.803	-.2359	.0231	12.104	.0553	.0465
	.565	-.2445	.0254	-167.452	-.1501	.0226	14.734	.0944	.0480
	.632	-.2492	.0259	-169.777	-.0331	.0182	18.863	.2161	.0348
	.700	-.2313	.0236	-170.646	.0878	.0115	24.105	.3191	.0257
	.767	-.1670	.0225	-169.971	.2201	.0054	69.224	.4149	.0161
	.835	-.1182	.0184	-173.208	.2967	.0062	128.224	.3871	.0076
	.902	-.0686	.0153	-173.573	.3247	.0106	159.150		
	.973				.2069	.0071	165.515		
	.990	.0512	.0040	164.520					
ETA = .875	.084	-.4315	.0251	-164.279					
	.143	-.3816	.0209	-170.982					
	.202								
	.301								
	.407	-.4113	.0321	-177.815					
	.513								
	.680	-.2622	.0768	-175.188					
	.830	-.2014	.0707	-167.415					
ETA = .981	.160				-.3236	.0204	10.563		

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367									
POINT NUMBER 535	MACH = .701	RN = 4.244*10E6	H = 948.775 PSF	ALPHA = -.002 DEG					
	Q = 200.551 PSF	GAMMA = 1.132	P = 722.025 PSF	CPSTAR = -.866					
	DELTA (MEAN) = -.010 DEG	DELTA (AMPL) = 1.002 DEG	OSCILLATION FREQUENCY = 20.000 HZ	K = .658					
ANALYZED VALUES :	DELTA (MEAN) = .163 DEG	DELTA (AMPL) = .976 DEG	OSCILLATION FREQUENCY = 20.055 HZ	K = .659					
X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-.7312	.0039	-162.443	-.2947	.0052	140.746	-.4365	.0045
	.087	-.5141	.0035	-39.382	-.3044	.0038	-15.558	-.2097	.0015
	.148	-.4564	.0057	156.610	-.2955	.0034	165.970	-.1609	.0024
	.209	-.4351	.0018	-6.366	-.2594	.0057	-9.383	-.1756	.0039
	.294	-.4775	.0017	178.218	-.3176	.0019	-163.107	-.1599	.0006
	.350	-.4712	.0052	-158.866	-.3122	.0050	-124.312	-.1590	.0030
	.407	-.4761	.0043	71.991	-.2647	.0048	-28.395	-.2114	.0034
	.463	-.4733	.0095	-172.620	-.3118	.0028	-101.353	-.1615	.0090
	.519	-.4392	.0031	92.811	-.2349	.0064	49.121	-.2044	.0047
	.579	-.4637	.0048	-143.303	-.1571	.0033	-59.605	-.3065	.0055
	.659	-.4106	.0041	-160.624	.0204	.0029	-58.923	-.4310	.0055
	.739	-.3672	.0060	127.670	.1810	.0053	70.095	-.5482	.0050
	.819	-.2912	.0054	-105.855	.2876	.0038	-58.654	-.5788	.0040
	.899	-.1492	.0044	139.760	.3445	.0058	94.122	.4937	.0042
	.974			.2618	.0041	-54.592			
	.990	.0808	.0057	-72.655					
ETA = .871	.025	-.5361	.0073	169.054	-.2967	.0061	-5.982	-.2394	.0134
	.084	-.4706	.0107	173.167	-.2999	.0019	-79.583	-.1706	.0114
	.143	-.4272	.0022	139.097	-.2912	.0097	-6.382	-.1360	.0116
	.202	-.4501	.0115	173.634	-.3208	.0041	-26.814	-.1293	.0154
	.301	-.3477	.0039	175.190	-.4054	.0150	-1.568	-.0577	.0189
	.354	-.3970	.0100	-175.571	-.3318	.0087	-7.229	-.0652	.0186
	.407	-.3419	.0105	-177.280	-.3349	.0089	-16.686	-.0069	.0191
	.460	-.4164	.0098	164.783	-.3062	.0187	15.826	.1101	.0276
	.513	-.4283	.0203	-156.271	-.2474	.0142	-1.503	.1810	.0337
	.566	-.4050	.0181	-171.521	-.1998	.0200	23.063	.2052	.0378
	.680	-.3074	.0328	-158.993	.0181	.0224	7.305	.3255	.0548
	.742	-.2209	.0383	-161.454	.1063	.0279	10.568	.3272	.0660
	.830	-.1984	.0291	-168.610	.2931	.0219	38.402	.4915	.0496
	.910	-.0464	.0061	-76.217	.3425	.0137	15.647	.3889	.0152
	.975			.2779	.0093	69.775			
	.990	.1092	.0051	166.958					
ETA = .972	.025	-.5411	.0094	168.714	-.3913	.0163	-20.572	.1498	.0256
	.092	-.4563	.0065	174.632	-.3168	.0061	-16.675	.1395	.0125
	.126			-.3239	.0026	-69.691			
	.160	-.4777	.0106	-178.779	-.3271	.0113	-2.034	.0377	.0127
	.227	-.3648	.0014	179.477	-.2917	.0046	-15.849	0.0000	.0148
	.294	-.2917	.0106	-168.526	-.2513	.0124	9.350	.0539	.0154
	.362	-.3052	.0030	178.181	-.2718	.0053	-15.279	.0264	.0135
	.430	-.2981	.0087	-163.942	-.2345	.0066	-23.220	.0609	.0152
	.497	-.2954	.0098	-159.057	-.1508	.0115	27.284	.0964	.0169
	.565	-.2472	.0064	166.633	-.0341	.0053	-8.694	.2208	.0168
	.632	-.2549	.0123	-150.344	.0848	.0071	46.018	.3214	.0124
	.700	-.2365	.0066	176.372	.2173	.0022	-46.396	.3890	.0100
	.767	-.1717	.0094	-145.379	.2960	.0012	-57.286	.4191	.0064
	.835	-.1231	.0059	-164.780	.3225	.0064	137.392	.3919	.0030
	.902	-.0694	.0072	162.236	.2042	.0027	-75.736		
	.973								
	.990	.0486	.0050	-65.831					
ETA = .875	.084	-.4333	.0059	-170.255					
	.143	-.3855	.0057	-177.087					
	.202								
	.301	-.4173	.0113	-175.199					
	.407								
	.513	-.2670	.0241	-169.678					
	.680	-.2106	.0251	-161.386					
	.830								
ETA = .981	.160				-.3291	.0022	6.340		

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367										
POINT NUMBER 536	MACH = .701	RN = 4.247*10E6	H = 948.800 PSF	ALPHA = -.003 DEG						
	Q = 200.855 PSF	GAMMA = 1.132	P = 721.650 PSF	CPSTAR = -.862						
	DELTA (MEAN) = -.099 DEG	DELTA (AMPL) = 2.042 DEG	OSCILLATION FREQUENCY = 20.000 HZ	K = .657						
ANALYZED VALUES :	DELTA (MEAN) = .071 DEG	DELTA (AMPL) = 2.018 DEG	OSCILLATION FREQUENCY = 20.055 HZ	K = .659						
	X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-.7337	.0063	-117.351	-.2933	.0035	58.077	.4405	.0098	61.016
	.087	-.5139	.0031	-47.914	-.3023	.0056	9.993	.2116	.0047	43.593
	.148	-.4547	.0053	175.322	-.2923	.0024	114.755	.1625	.0046	22.219
	.209	-.4334	.0018	-4.142	-.2552	.0072	-10.886	.1782	.0054	-13.123
	.294	-.4762	.0052	156.824	-.3144	.0022	10.808	.1619	.0071	-13.246
	.350	-.4716	.0005	-169.332	-.3124	.0056	-10.232	.1592	.0061	-8.548
	.407	-.4759	.0031	121.672	-.2638	.0064	24.868	.2121	.0074	-4.09
	.463	-.4704	.0100	167.905	-.3094	.0026	-86.612	.1611	.0110	-25.282
	.519	-.4356	.0042	88.812	-.2310	.0082	24.216	.2046	.0074	-6.450
	.579	-.4609	.0057	179.957	-.1542	.0038	-35.347	.3067	.0091	-14.053
	.659	-.4102	.0040	173.688	.0208	.0050	4.682	.4310	.0090	-1.203
	.739	-.3668	.0051	162.257	.1813	.0046	16.359	.5480	.0093	-1.598
	.819	-.2895	.0044	-140.164	.2896	.0045	-32.055	.5791	.0072	3.424
	.899	-.1460	.0061	128.336	.3465	.0066	69.913	.4925	.0062	13.152
	.974				.2639	.0028	-30.336			
	.990	.0833	.0038	-85.620						
ETA = .871	.025	-.5391	.0193	148.975	-.2922	.0173	-11.549	.2469	.0361	-21.825
	.084	-.4712	.0138	161.685	-.2989	.0128	-16.136	.1722	.0266	-17.267
	.143	-.4262	.0107	151.934	-.2898	.0156	-8.608	.1364	.0259	-16.508
	.202	-.4475	.0198	165.597	-.3176	.0127	-9.978	.1298	.0325	-12.674
	.301	-.3447	.0103	171.111	-.4017	.0243	2.250	-.0570	.0345	-1.060
	.354	-.3957	.0202	173.579	-.3297	.0203	8.267	.0660	.0402	.941
	.407	-.3396	.0170	169.880	-.3358	.0264	3.284	.0038	.0431	-1.960
	.460	-.4151	.0258	-178.083	-.3066	.0310	10.063	.1085	.0567	6.364
	.513	-.4239	.0348	-170.159	-.2464	.0305	7.099	.1774	.0653	8.560
	.566	-.4005	.0351	-176.225	-.1988	.0414	18.893	.2017	.0758	11.960
	.680	-.3027	.0632	-164.512	.0184	.0474	13.943	.3211	.1106	14.825
	.742	-.2167	.0752	-166.181	.1032	.0592	17.432	.3198	.1343	15.410
	.830	-.1954	.0571	-164.009	.2910	.0418	28.840	.4864	.0983	21.418
	.910	-.0481	.0057	-20.591	.3424	.0286	26.712	.3905	.0251	36.325
	.975				.2794	.0162	56.524			
	.990	.1116	.0096	170.871						
ETA = .972	.025	-.5408	.0259	175.164	-.3864	.0320	-8.685	.1544	.0579	-6.963
	.092	-.4569	.0187	170.534	-.3137	.0168	3.544	.1432	.0353	-3.310
	.126				-.3234	.0144	-9.678			
	.160	-.4767	.0166	177.347						
	.227	-.3639	.0104	170.667	-.3262	.0146	-.863	.0377	.0249	-4.385
	.294	-.2884	.0167	-177.555	-.2885	.0103	4.557	-.0001	.0270	3.251
	.362	-.3029	.0105	176.369	-.2489	.0190	12.663	.0540	.0292	6.878
	.430	-.2964	.0175	-175.131	-.2697	.0133	7.757	.0268	.0308	6.116
	.497	-.2936	.0166	-176.031	-.2368	.0178	4.435	.0568	.0344	4.210
	.565	-.2465	.0172	-173.548	-.1519	.0177	21.219	.0946	.0346	13.942
	.632	-.2517	.0205	-165.411	-.0330	.0116	12.775	.2188	.0321	13.933
	.700	-.2332	.0146	178.887	.0859	.0134	41.355	.3191	.0261	19.167
	.767	-.1694	.0170	-158.737	.2183	.0037	38.564	.3877	.0206	24.330
	.835	-.1216	.0129	-173.311	.2951	.0052	92.941	.4166	.0142	28.090
	.902	-.0699	.0115	-174.251	.3225	.0071	139.306	.3925	.0084	43.657
	.973				.2052	.0030	-165.770			
	.990	.0497	.0033	-132.975						
ETA = .875	.084	-.4327	.0147	154.962						
	.143	-.3837	.0102	164.023						
	.202									
	.301	-.4136	.0214	171.939						
	.407									
	.513									
	.680	-.2638	.0502	-175.632						
	.830	-.2055	.0493	-164.161						
ETA = .981	.160				-.3253	.0105	16.428			

Table 4. Continued

U N S T E A D Y P R E S S U R E S - T D T T E S T 3 6 7

POINT NUMBER 537

MACH = .702

RN = 4.249*10E6

H = 949.175 PSF

ALPHA = -.004 DEG

DELTA Q = 201.092 PSF
(MEAN) = -.196 DEG

GAMMA = 1.132
DELTA (AMPL) = 3.055 DEG

P = 721.725 PSF CPSTAR = -.861
OSCILLATION FREQUENCY = 20.073 HZ K = .659

ANALYZED VALUES :

DELTA (MEAN) = -.025 DEG

DELTA (AMPL) = 2.995 DEG

OSCILLATION FREQUENCY = 20.060 HZ K = .658

[illegible]

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367										
POINT NUMBER 538	MACH = .704		RN = 4.259*10E6		H = 950.050 PSF		ALPHA = 2.015 DEG			
	Q = 202.174 PSF		GAMMA = 1.132		P = 721.200 PSF		CPSTAR = -.851			
	DELTA (MEAN) = .152 DEG		DELTA (AMPL) = 1.050 DEG		OSCILLATION FREQUENCY = 5.076 HZ		K = .166			
ANALYZED VALUES :	DELTA (MEAN) = .191 DEG		DELTA (AMPL) = 1.039 DEG		OSCILLATION FREQUENCY = 5.056 HZ		K = .165			
	X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-1.4684	.0168	3.918	-.0524	.0085	-172.016	1.5208	.0253	-174.716
	.087	-.8300	.0070	3.623	-.0925	.0055	-164.673	.7375	.0124	-172.912
	.148	-.6885	.0054	13.369	-.1134	.0033	-173.738	.5539	.0087	-169.326
	.209	-.6071	.0029	26.807	-.1178	.0027	-178.199	.4892	.0055	-165.242
	.294	-.5925	.0017	62.773	-.2002	.0026	-169.116	.4192	.0035	-162.964
	.350	-.5961	.0023	69.542	-.2138	.0011	-153.430	.3823	.0024	-137.072
	.407	-.5868	.0013	116.575	-.1791	.0022	-166.409	.4077	.0023	-132.827
	.463	-.5660	.0054	69.508	-.2352	.0010	-153.497	.3308	.0062	-116.839
	.519	-.5215	.0021	85.608	-.1712	.0009	-15.027	.3503	.0020	-69.155
	.579	-.5317	.0015	106.254	-.1079	.0004	-12.867	.4238	.0017	-62.095
	.639	-.4615	.0009	-157.700	.0468	.0006	-18.382	.5082	.0015	20.733
	.739	-.4017	.0010	-147.008	.2006	.0010	-24.799	.6022	.0018	4.096
	.819	-.3084	.0029	-173.928	.3055	.0001	-109.385	.6139	.0029	4.262
	.899	-.1527	.0007	92.618	.3648	.0018	-2.249	.5175	.0020	-22.811
	.974				.2686	.0006	-117.589			
	.990	.0715	.0008	-158.537						
ETA = .871	.025	-1.2204	.0268	12.188	-.0717	.0089	-157.909	1.2921	.0356	-165.348
	.084	-.7696	.0085	49.257	-.0764	.0049	-153.432	.6932	.0132	-139.002
	.143	-.6480	.0058	47.302	-.1185	.0022	-137.241	.5295	.0080	-133.947
	.202	-.6182	.0036	86.369	-.1786	.0021	-91.152	.4396	.0057	-92.718
	.301	-.4728	.0035	141.597	-.2895	.0035	-3.859	.1833	.0067	-21.131
	.354	-.5022	.0059	168.104	-.2372	.0054	-12.535	.2650	.0113	-12.202
	.407	-.4312	.0064	164.248	-.2569	.0071	.824	.1744	.0134	-7.031
	.460	-.4942	.0106	179.212	-.2381	.0096	2.034	.2562	.0202	7.553
	.513	-.4926	.0125	-171.194	-.1900	.0126	7.732	.3026	.0251	8.267
	.566	-.4583	.0159	-172.143	-.1557	.0160	4.641	.3025	.0319	6.244
	.680	-.3406	.0256	-172.508	.0389	.0206	7.506	.3795	.0462	7.498
	.742	-.2479	.0341	-172.679	.1168	.0245	4.237	.3648	.0586	6.032
	.830	-.2118	.0234	-174.937	.3034	.0163	10.108	.5152	.0397	7.134
	.910	-.0462	.0059	15.396	.3493	.0107	7.792	.3955	.0049	-1.350
	.975				.2816	.0038	5.652			
	.990	.1013	.0037	-171.804						
ETA = .972	.025	-1.0714	.0208	38.566	-.0357	.0098	-139.510	1.0356	.0306	-140.818
	.092	-.6699	.0057	72.432	-.1455	.0034	-129.574	.5243	.0089	-115.758
	.126				-.1871	.0026	-101.399			
	.160	-.6074	.0034	113.187						
	.227	-.4493	.0033	151.111	-.2524	.0024	-30.388	.1969	.0057	-29.520
	.294	-.3509	.0039	174.895	-.2400	.0040	-6.479	.1109	.0079	-5.801
	.362	-.3516	.0055	-178.342	-.2109	.0047	-13.046	.1408	.0101	-5.114
	.430	-.3386	.0080	178.648	-.2427	.0059	-5.307	.0958	.0139	-3.031
	.497	-.3264	.0079	174.596	-.2170	.0066	-1.440	.1094	.0145	-3.145
	.565	-.2765	.0090	-172.422	-.1398	.0067	3.340	.1367	.0157	5.770
	.632	-.2766	.0083	-177.152	-.0334	.0060	9.479	.2431	.0143	5.630
	.700	-.2537	.0082	-173.099	.0776	.0045	7.259	.3313	.0127	7.028
	.767	-.1925	.0077	-172.492	.2112	.0012	28.886	.4037	.0088	10.348
	.835	-.1455	.0070	178.061	.2888	.0010	-172.425	.4343	.0060	3.514
	.902	-.0907	.0047	-176.905	.3145	.0018	-168.383	.4052	.0029	-2.125
	.973				.1924	.0030	170.651			
	.990	.0378	.0014	-153.635						
ETA = .875	.084	-.6566	.0059	51.932						
	.143	-.5525	.0028	35.773						
	.202									
	.301	-.5082	.0104	162.012						
	.407									
	.513	-.3005	.0237	179.510						
	.680	-.2205	.0232	-172.717						
	.830									
ETA = .981	.160				-.2363	.0016	-81.351			

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367

POINT NUMBER 539

MACH = .700
 $Q = 200.711$ PSF
 DELTA (MEAN) = .205 DEG

RN = 4.245×10^6
 GAMMA = 1.132
 DELTA (AMPL) = 2.001 DEG

H = 949.725 PSF
 P = 722.800 PSF
 OSCILLATION FREQUENCY = 5.051 HZ

ALPHA = 2.013 DEG
 CPSTAR = .866
 K = .166

ANALYZED VALUES : DELTA (MEAN) = .139 DEG DELTA (AMPL) = 1.983 DEG

OSCILLATION FREQUENCY = 5.056 HZ K = .166

	X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-1.4724	.0340	-3.104	.0563	.0161	178.882	1.5286	.0501	177.534
	.087	-.8286	.0189	7.867	-.0897	.0116	-165.742	.7389	.0305	-169.703
	.148	-.6860	.0126	11.404	-.1324	.0076	-153.097	.5536	.0200	-162.776
	.209	-.6063	.0066	23.409	-.1162	.0068	-159.688	.4900	.0134	-158.162
	.294	-.6188	.0021	13.344	-.1982	.0037	-175.836	.4206	.0058	-172.515
	.350	-.5960	.0050	54.482	-.2115	.0055	-165.375	.3844	.0099	-146.436
	.407	-.5869	.0060	74.017	-.1760	.0055	-148.285	.4110	.0107	-126.171
	.463	-.5659	.0070	79.213	-.2334	.0029	-119.936	.3325	.0098	-106.366
	.519	-.5202	.0029	161.835	-.1693	.0008	-62.258	.3510	.0035	-27.267
	.579	-.5296	.0020	165.346	-.1067	.0007	-161.399	.4230	.0015	-29.836
	.659	-.4598	.0018	168.392	.0481	.0011	-137.883	.5079	.0015	-49.265
	.739	-.3996	.0038	131.894	.2022	.0016	-48.867	.6019	.0054	-48.331
	.819	-.3062	.0042	166.637	.3066	.0029	-33.650	.6128	.0070	-21.630
	.899	-.1506	.0028	-147.433	.3661	.0021	-32.229	.5167	.0042	5.349
	.974				.2698	.0006	97.205			
	.990	.0732	.0010	-173.083						
ETA = .871	.025	-1.2219	.0576	14.034	.0734	.0199	-151.388	1.2954	.0770	-162.238
	.084	-.7694	.0164	39.218	-.0740	.0091	-127.403	.6954	.0253	-136.016
	.143	-.6472	.0092	42.058	-.1165	.0046	-115.355	.4307	.0136	-130.457
	.202	-.6158	.0057	90.316	-.1774	.0030	-68.900	.4384	.0086	-82.549
	.301	-.4686	.0040	106.585	-.2870	.0071	-31.456	.1816	.0104	-46.323
	.354	-.4987	.0104	150.628	-.2360	.0106	-21.659	.2627	.0210	-25.479
	.407	-.4299	.0138	163.837	-.2551	.0157	-9.249	.1748	.0294	-12.483
	.460	-.4925	.0200	177.516	-.2357	.0183	-1.078	.2568	.0383	-1.812
	.513	-.4894	.0242	-177.159	-.1892	.0220	1.040	.3002	.0462	1.983
	.566	-.4542	.0317	178.775	-.1551	.0279	.638	.2991	.0596	-3.553
	.680	-.3368	.0517	-175.788	.0390	.0389	1.331	.3758	.0906	2.975
	.742	-.2450	.0660	-175.474	.1159	.0482	4.842	.3609	.1142	4.660
	.830	-.2078	.0440	-172.549	.3029	.0311	9.969	.5107	.0751	8.494
	.910	-.0464	.0078	15.847	.3492	.0175	9.314	.3956	.0098	4.113
	.975				.2816	.0075	-5.305			
	.990	.1018	.0080	174.709						
ETA = .972	.025	-1.0738	.0347	46.065	-.0329	.0161	-126.049	1.0409	.0507	-131.438
	.092	-.6676	.0096	74.456	-.1436	.0054	-105.033	.5241	.0150	-105.360
	.126				-.1852	.0047	-98.348			
	.160	-.6063	.0049	98.539						
	.227	-.4462	.0060	140.717	-.2510	.0051	-48.367	.1952	.0111	-43.456
	.294	-.3491	.0086	157.999	-.2377	.0078	-18.714	.1113	.0164	-20.437
	.362	-.3500	.0117	169.341	-.2089	.0096	-1.737	.1411	.0212	-6.639
	.430	-.3368	.0125	179.640	-.2420	.0107	4.582	.0948	.0232	1.919
	.497	-.3247	.0134	173.376	-.2163	.0111	1.812	.1084	.0244	-2.803
	.565	-.2754	.0151	173.574	-.1387	.0109	-2.534	.1367	.0260	-4.795
	.632	-.2756	.0170	178.953	-.0332	.0103	-2.186	.2424	.0273	-1.477
	.700	-.2533	.0178	-179.906	.0776	.0071	15.968	.3309	.0247	4.603
	.767	-.1919	.0149	-177.692	.2116	.0017	89.031	.4035	.0151	8.765
	.835	-.1442	.0130	174.595	.2891	.0052	-170.351	.4333	.0081	-15.014
	.902	-.0893	.0125	173.002	.3152	.0062	-169.613	.4045	.0068	-22.714
	.973				.1934	.0040	-173.519			
	.990	.0390	.0056	-179.575						
ETA = .875	.084									
	.143	-.6568	.0088	52.381						
	.202	-.5510	.0056	65.243						
	.261									
	.327	-.5076	.0154	167.399						
	.386									
	.445									
	.504	-.2988	.0495	-175.831						
	.563	-.2164	.0423	-175.343						
ETA = .981	.160				-.2341	.0053	-69.203			

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367										
POINT NUMBER 540	MACH = .699	RN = 4.237*10E6	H = 949.175 PSF	ALPHA = 2.015 DEG						
	Q = 199.883 PSF	GAMMA = 1.132	P = 723.325 PSF	CPSTAR = -.874						
	DELTA (MEAN) = .337 DEG	DELTA (AMPL) = 3.008 DEG	OSCILLATION FREQUENCY = 5.051 HZ	K = .166						
ANALYZED VALUES :	DELTA (MEAN) = .095 DEG	DELTA (AMPL) = 2.966 DEG	OSCILLATION FREQUENCY = 5.062 HZ	K = .167						
	X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-1.4678	.0474	2.534	.0571	.0212	-170.895	1.5249	.0685	-175.436
	.087	-.8291	.0257	7.706	-.0885	.0138	-166.409	.7406	.0395	-170.238
	.148	-.6858	.0182	14.591	-.1308	.0101	-157.912	.5551	.0282	-162.735
	.209	-.6066	.0093	31.826	-.1141	.0084	-157.467	.4925	.0176	-152.584
	.294	-.6178	.0080	27.529	-.1962	.0061	-140.514	.4216	.0140	-147.301
	.350	-.5943	.0065	49.673	-.2096	.0056	-134.938	.3847	.0121	-132.461
	.407	-.5841	.0072	53.331	-.1750	.0045	-134.964	.3891	.0117	-126.013
	.463	-.5622	.0082	57.751	-.2315	.0047	-122.583	.4091	.0129	-122.370
	.519	-.5160	.0048	97.703	-.1680	.0025	-103.415	.3480	.0056	-89.495
	.579	-.5268	.0040	123.622	-.1046	.0022	-107.719	.4233	.0052	-74.105
	.659	-.4564	.0034	154.605	-.0490	.0027	-58.236	.5054	.0059	-39.879
	.739	-.3979	.0051	174.172	.2026	.0024	-53.762	.6005	.0069	-20.703
	.819	-.3046	.0039	176.650	.3074	.0029	-52.240	.6120	.0062	-23.971
	.899	-.1497	.0031	-179.918	.3664	.0020	-36.341	.5160	.0049	-14.071
	.974				.2702	.0013	-47.725			
	.990	.0740	.0005	-155.794						
ETA = .871	.025	-1.2173	.0850	14.583	.0742	.0265	-150.740	1.2915	.1108	-161.944
	.084	-.7658	.0248	34.443	-.0735	.0132	-134.482	.6923	.0378	-141.715
	.143	-.6442	.0170	40.026	-.1735	.0087	-112.963	.5287	.0251	-130.904
	.202	-.6152	.0102	83.662	-.1769	.0074	-71.325	.4382	.0172	-85.853
	.301	-.4664	.0100	139.672	-.2868	.0140	-26.492	.1796	.0238	-32.251
	.354	-.4951	.0165	163.975	-.2349	.0169	-16.362	.2603	.0334	-16.195
	.407	-.4274	.0184	163.429	-.2543	.0225	-10.920	.1730	.0409	-13.462
	.460	-.4896	.0274	175.436	-.2355	.0286	-4.995	.2540	.0560	-4.784
	.513	-.4871	.0370	179.146	-.1890	.0358	-3.444	.2981	.0728	-2.127
	.566	-.4522	.0480	177.868	-.1539	.0423	-2.830	.2983	.0903	-2.459
	.680	-.3343	.0769	175.067	-.0384	.0576	2.073	.3727	.1345	3.137
	.742	-.2424	.0951	175.522	.1156	.0698	3.648	.3580	.1649	4.126
	.830	-.2042	.0652	173.372	.3015	.0471	4.468	.5057	.1123	5.722
	.910	-.0443	.0029	93.911	.3490	.0280	8.296	.3933	.0279	2.353
	.975				.2814	.0117	11.857			
	.990	.1014	.0116	-173.877						
ETA = .972	.025	-1.0725	.0529	42.085	-.0324	.0237	-128.330	1.0400	.0764	-134.953
	.092	-.6677	.0151	65.666	-.1432	.0096	-100.742	.5245	.0245	-109.058
	.126				-.1849	.0078	-85.221			
	.160									
	.227	-.6031	.0092	122.907	-.2506	.0095	-28.510	.1947	.0194	-28.754
	.294	-.4454	.0099	151.011	-.2379	.0117	-14.688	.1103	.0236	-15.493
	.350	-.3482	.0119	163.716	-.2081	.0131	-2.578	.1396	.0273	-7.760
	.407	-.3477	.0143	167.494	-.2408	.0164	-5.750	.0933	.0349	-7.143
	.463	-.3341	.0185	171.622	-.2161	.0188	-3.019	.1067	.0397	-2.952
	.519	-.3229	.0209	177.109	-.1392	.0176	2.200	.1341	.0393	-2.202
	.579	-.2733	.0217	177.849	-.0328	.0153	4.114	.2402	.0393	-4.427
	.632	-.2730	.0241	178.087	.0783	.0107	9.075	.3305	.0346	1.401
	.700	-.2523	.0240	177.988	.2114	.0022	12.167	.4011	.0247	1.747
	.767	-.1897	.0227	179.810	.2896	.0035	16.297	.4320	.0170	-1.599
	.835	-.1424	.0204	176.172	.3162	.0089	17.799	.4035	.0079	-3.837
	.902	-.0873	.0168	175.970	.1945	.0070	174.978			
	.973									
	.990	.0403	.0051	170.836						
ETA = .875	.084									
	.143	-.6552	.0143	43.507						
	.202	-.5478	.0088	66.783						
	.294									
	.350	-.5038	.0228	160.694						
	.407									
	.463	-.2951	.0742	-179.155						
	.513	-.2123	.0648	-175.524						
ETA = .981	.160				-.2340	.0066	-61.026			

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367										
POINT NUMBER 541	MACH = .701	RN = 4.244*10E6	H = 950.375 PSF	ALPHA = 2.016 DEG						
	Q = 201.033 PSF	GAMMA = 1.132	P = 723.050 PSF	CPSTAR = -.864						
	DELTA (MEAN) = .052 DEG	DELTA (AMPL) = .993 DEG	OSCILLATION FREQUENCY = 15.094 HZ	K = .496						
ANALYZED VALUES :	DELTA (MEAN) = .174 DEG	DELTA (AMPL) = .970 DEG	OSCILLATION FREQUENCY = 15.091 HZ	K = .496						
	X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-1.4646	.0072	-139.827	.0551	.0032	46.174	1.5197	.0104	42.019
	.087	-.8289	.0047	-127.671	-.0893	.0016	20.452	.7396	.0061	44.390
	.148	-.6841	.0049	-128.820	-.1314	.0016	59.040	.5527	.0065	53.112
	.209	-.6054	.0050	-128.712	-.1161	.0009	-36.863	.4893	.0051	41.147
	.294	-.6202	.0035	-129.972	-.1987	.0014	7.129	.4214	.0046	38.136
	.350	-.5953	.0028	-194.529	-.2120	.0012	34.859	.3833	.0037	70.875
	.407	-.5852	.0032	-159.754	-.1762	.0021	-20.152	.4089	.0050	4.414
	.463	-.5639	.0032	-169.179	-.2324	.0020	-21.058	.3315	.0052	-14.755
	.519	-.5180	.0036	-163.151	-.1685	.0017	-21.363	.3495	.0026	90.944
	.575	-.5292	.0030	-193.932	-.1057	.0022	-1.206	.4236	.0038	50.776
	.639	-.4590	.0020	-142.383	-.0490	.0016	-14.034	.5079	.0032	14.870
	.699	-.3985	.0028	-127.171	-.2027	.0017	3.908	.6012	.0041	34.713
	.739	-.3060	.0014	-126.022	-.3677	.0018	12.437	.6138	.0030	30.493
	.789	-.1495	.0008	-96.058	-.3672	.0016	6.903	.5167	.0019	30.562
	.974				-.2710	.0013	49.640			
	.990	.0742	.0015	-123.069						
ETA = .871	.025	-1.2196	.0220	-173.730	.0711	.0112	18.093	1.2907	.0330	10.253
	.084	-.7673	.0107	-155.239	-.0750	.0064	17.002	.6914	.0171	21.858
	.143	-.6476	.0084	-132.872	-.1122	.0069	16.681	.5304	.0153	21.319
	.202	-.6174	.0086	-165.811	-.1790	.0072	9.960	.4384	.0158	12.125
	.301	-.4703	.0074	-163.727	-.2398	.0096	16.351	.1805	.0169	20.669
	.354	-.4995	.0091	-160.989	-.2865	.0104	8.323	.2630	.0194	13.310
	.407	-.4307	.0089	-160.989	-.2364	.0111	7.244	.1742	.0200	9.205
	.460	-.4307	.0117	-168.263	-.2364	.0122	8.079	.2574	.0237	15.743
	.513	-.4921	.0146	-163.549	-.1889	.0128	8.894	.3033	.0273	13.134
	.566	-.4565	.0174	-166.569	-.0393	.0159	10.512	.3024	.0333	12.038
	.680	-.3384	.0265	-162.781	-.1178	.0201	12.097	.3777	.0466	15.010
	.742	-.2457	.0331	-163.435	-.1738	.0251	14.021	.3635	.0582	15.468
	.830	-.2096	.0280	-159.718	-.3009	.0173	18.944	.5135	.0393	19.693
	.910	-.0449	.0032	-9.728	-.2830	.0108	31.251	.3958	.0086	45.303
	.975						32.656			
	.990	.1025	.0035	-136.955						
ETA = .972	.025	-1.0751	.0229	-152.488	-.0356	.0133	25.370	1.0394	.0362	26.725
	.092	-.6749	.0119	-146.214	-.1447	.0078	21.343	.5303	.0196	28.864
	.126				-.1873	.0067	12.294			
	.160	-.6087	.0083	-153.934	-.2533	.0061	10.295	.1951	.0123	13.187
	.227	-.4484	.0062	-163.968	-.2416	.0068	12.682	.1088	.0128	15.717
	.294	-.3504	.0060	-160.842	-.2115	.0065	12.235	.1410	.0119	24.456
	.362	-.3525	.0055	-147.000	-.2128	.0068	9.682	.0960	.0133	16.832
	.430	-.3388	.0066	-155.801	-.2180	.0065	7.336	.1084	.0137	13.146
	.497	-.3264	.0073	-161.683	-.1398	.0058	8.410	.1368	.0148	14.315
	.565	-.2766	.0091	-161.925	-.0327	.0046	17.491	.2446	.0134	16.194
	.632	-.2772	.0088	-164.484	-.0772	.0023	32.313	.3311	.0114	16.823
	.700	-.2539	.0092	-167.005	-.1599	.0005	52.377	.4036	.0098	21.565
	.767	-.1927	.0094	-159.996	-.2108	.0020	16.824	.4343	.0056	26.708
	.835	-.1458	.0073	-163.103	-.3144	.0041	165.918	.4050	.0029	69.022
	.902	-.0907	.0053	-161.152	.1922	.0027	-174.894			
	.973									
	.990	.0385	.0018	-147.508						
ETA = .875	.084	-.6569	.0102	-154.020						
	.143	-.5513	.0077	-147.646						
	.202									
	.301	-.5080	.0110	-162.973						
	.407									
	.513	-.3002	.0238	-170.943						
	.680	-.2179	.0207	-162.817						
	.830									
ETA = .981	.160				-.2362	.0052	11.738			

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367

POINT NUMBER 542

MACH = 4.702
 $Q = 201.721$ PSF
 DELTA (MEAN) = -.190 DEG

RN = 4.250×10^6
 GAMMA = 1.132
 DELTA (AMPL) = 2.055 DEG

H = 951.100 PSF
 P = 722.900 PSF
 OSCILLATION FREQUENCY = 15.094 HZ

ALPHA = 2.016 DEG
 CPSTAR = -.858
 K = .495

ANALYZED VALUES : DELTA (MEAN) = .093 DEG DELTA (AMPL) = 2.013 DEG OSCILLATION FREQUENCY = 15.075 HZ K = .494

	X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-1.4723	.0174	-142.221	.0535	.0091	39.738	1.5258	.0265	38.452
	.087	-.8302	.0099	-133.076	-.0913	.0066	35.963	.7389	.0164	42.543
	.148	-.6863	.0078	-132.963	-.1346	.0046	42.532	.5517	.0124	45.366
	.209	-.6081	.0072	-130.084	-.1166	.0035	28.349	.4915	.0105	42.901
	.294	-.6213	.0029	-116.453	-.1999	.0043	22.281	.4215	.0068	38.727
	.350	-.5867	.0041	-110.930	-.2134	.0046	35.158	.3833	.0083	51.110
	.407	-.5866	.0059	-140.839	-.1776	.0043	19.376	.4090	.0101	30.836
	.463	-.5634	.0047	173.245	-.2355	.0048	20.741	.3300	.0092	7.140
	.519	-.5197	.0015	-113.105	-.1709	.0034	22.391	.3489	.0046	35.628
	.579	-.5312	.0047	-152.418	-.1079	.0040	16.584	.4234	.0087	22.526
	.659	-.4615	.0041	-174.782	.0458	.0039	9.706	.5073	.0080	7.406
	.739	-.4010	.0035	-159.812	.1997	.0033	14.286	.6007	.0068	17.323
	.819	-.3085	.0019	-161.462	.3055	.0037	18.216	.6140	.0056	18.326
	.899	-.1531	.0003	-171.840	.3643	.0030	11.558	.5174	.0033	11.249
	.974				.2682	.0024	22.149			
	.990	.0709	.0005	-155.063						
ETA = .871	.025	-1.2250	.0429	-176.896	.0725	.0223	24.711	1.2976	.0642	10.457
	.084	-.7707	.0206	-159.595	-.0757	.0153	22.388	.6950	.0359	21.250
	.143	-.6476	.0177	-162.131	-.1179	.0141	17.985	.5297	.0318	17.920
	.202	-.6173	.0168	-170.241	-.1797	.0158	14.990	.4377	.0326	12.294
	.301	-.4722	.0171	-160.837	-.2908	.0193	11.095	.1814	.0363	14.885
	.354	-.5000	.0188	-167.603	-.2378	.0198	13.780	.2621	.0386	13.106
	.407	-.4315	.0176	-179.338	-.2583	.0235	9.377	.1733	.0410	5.647
	.460	-.4942	.0235	-170.231	-.2385	.0260	10.902	.2557	.0495	10.364
	.513	-.4909	.0284	-167.218	-.1916	.0297	12.256	.2993	.0581	12.513
	.566	-.4553	.0369	-167.869	-.1567	.0345	14.729	.2985	.0714	13.386
	.680	-.3372	.0562	-166.827	.0355	.0432	13.454	.3727	.0994	13.295
	.742	-.2447	.0699	-167.501	.1135	.0522	14.727	.3583	.1221	13.452
	.830	-.2088	.0467	-163.081	.3009	.0372	22.336	.5097	.0838	19.320
	.910	-.0481	.0077	12.740	.3486	.0228	29.701	.3967	.0156	37.981
	.975				.2809	.0103	35.727			
	.990	.1003	.0082	-159.213						
ETA = .972	.025	-1.0774	.0507	-157.055	-.0360	.0282	28.639	1.0414	.0788	24.979
	.092	-.6747	.0220	-155.464	-.1473	.0170	26.651	.5274	.0390	25.458
	.126				-.1884	.0143	16.091			
	.160	-.6089	.0167	-161.268						
	.227	-.4502	.0134	-168.333	-.2540	.0128	13.748	.1962	.0262	12.684
	.294	-.3513	.0131	-163.625	-.2421	.0136	11.101	.1092	.0267	13.689
	.362	-.3529	.0140	-162.984	-.2120	.0143	19.641	.1409	.0283	18.343
	.430	-.3388	.0152	-165.808	-.2444	.0152	16.084	.0944	.0304	15.138
	.497	-.3273	.0159	-172.218	-.2196	.0143	11.287	.1077	.0302	9.441
	.565	-.2783	.0183	-169.378	-.1429	.0134	18.874	.1354	.0316	14.109
	.632	-.2785	.0172	-172.377	-.0358	.0101	19.492	.2427	.0272	12.009
	.700	-.2551	.0178	-168.226	.0746	.0058	29.889	.3297	.0234	16.197
	.767	-.1942	.0180	-166.596	.2102	.0034	84.133	.4044	.0194	22.932
	.835	-.1463	.0162	-172.916	.2885	.0043	143.086	.4348	.0134	19.922
	.902	-.0923	.0138	-173.075	.3136	.0082	162.721	.4059	.0072	34.933
	.973				.1911	.0072	176.603			
	.990	.0381	.0045	175.709						
ETA = .875	.084	-.6577	.0195	-163.640						
	.143	-.5538	.0155	-160.202						
	.202									
	.301	-.5079	.0212	-173.730						
	.407									
	.513	-.3006	.0469	-172.787						
	.680	-.2171	.0431	-167.657						
	.830									
ETA = .981	.160				-.2368	.0127	16.919			

Table 4. Continued

UNSTEADY PRESSURES -					TDT TEST 367					
POINT NUMBER	543	MACH = .701	RN = 4.243*10E6	H = 950.600 PSF	ALPHA = 2.016 DEG					
		Q = 201.038 PSF	GAMMA = 1.132	P = 723.275 PSF	CPSTAR = -.864					
		DELTA (MEAN) = .005 DEG	DELTA (AMPL) = 3.028 DEG	OSCILLATION FREQUENCY = 15.094 HZ	K = .496					
ANALYZED VALUES :		DELTA (MEAN) = .031 DEG	DELTA (AMPL) = 2.974 DEG	OSCILLATION FREQUENCY = 15.086 HZ	K = .495					
	X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-1.4727	.0245	-147.644	.0586	.0108	38.615	1.5312	.0353	34.270
	.087	-.8258	.0145	-135.581	-.0873	.0076	42.750	.7385	.0221	43.845
	.148	-.6819	.0124	-132.741	-.1295	.0062	33.470	.5524	.0185	42.673
	.209	-.6029	.0084	-129.393	-.1140	.0062	27.422	.4889	.0143	40.785
	.294	-.6164	.0074	-144.756	-.1448	.0061	21.257	.4216	.0134	28.927
	.350	-.5925	.0076	-145.440	-.2096	.0059	24.962	.3830	.0135	30.367
	.407	-.5810	.0048	-140.908	-.1738	.0057	22.651	.4072	.0104	30.162
	.463	-.5597	.0057	-173.492	-.2314	.0063	16.373	.3283	.0120	11.688
	.519	-.5152	.0044	-147.124	-.1682	.0049	13.906	.3470	.0092	22.876
	.579	-.5261	.0063	-153.812	-.1044	.0051	19.201	.4216	.0114	23.063
	.639	-.4563	.0051	-162.813	-.0486	.0048	20.816	.5050	.0099	18.947
	.739	-.3976	.0060	-148.510	-.2015	.0040	19.480	.5991	.0099	26.690
	.819	-.3051	.0035	-172.855	-.3075	.0043	20.845	.6125	.0077	14.701
	.899	-.1498	.0021	-142.390	-.3559	.0044	29.423	.5157	.0065	32.066
	.974				.2696	.0025	10.657			
	.990	.0730	.0008	-161.049						
ETA = .871	.025	-1.2131	.0620	-178.420	.0762	.0309	21.429	1.2893	.0917	8.152
	.084	-.7648	.0298	-163.590	-.0718	.0232	18.860	.6930	.0530	17.482
	.143	-.6428	.0259	-163.508	-.1137	.0206	12.046	.5291	.0465	14.523
	.202	-.6127	.0235	-169.915	-.1758	.0221	11.444	.4369	.0456	10.744
	.301	-.4660	.0246	-161.631	-.2868	.0285	9.844	.1792	.0530	13.793
	.354	-.4936	.0272	-165.597	-.2344	.0299	11.717	.2592	.0571	12.996
	.407	-.4260	.0270	-177.360	-.2349	.0337	8.696	.1711	.0606	6.003
	.460	-.4879	.0372	-170.310	-.2350	.0390	10.810	.2529	.0762	10.263
	.513	-.4852	.0423	-170.552	-.1885	.0443	11.915	.2967	.0866	10.710
	.566	-.4489	.0522	-168.434	-.1547	.0505	13.460	.2942	.1027	12.498
	.680	-.3311	.0822	-167.314	-.0364	.0637	12.912	.3675	.1459	12.784
	.742	-.2383	.1014	-167.868	-.1138	.0768	13.327	.3521	.1782	12.647
	.830	-.2025	.0690	-163.610	-.3008	.0531	23.466	.5033	.1219	19.467
	.910	-.0454	.0008	52.374	.3484	.0335	29.458	.3938	.0328	28.914
	.975				.2812	.0143	36.426			
	.990	.1004	.0132	-162.753						
ETA = .972	.025	-1.0703	.0759	-159.166	-.0327	.0411	27.125	1.0376	.1168	23.043
	.092	-.6684	.0322	-157.358	-.1432	.0246	23.670	.5252	.0568	23.088
	.126				-.1845	.0211	14.491			
	.160	-.6023	.0248	-159.593	-.2501	.0185	11.791	.1942	.0386	14.888
	.227	-.4442	.0202	-162.276	-.2382	.0201	14.702	.1085	.0406	15.352
	.294	-.3467	.0205	-164.012	-.2091	.0200	16.483	.1400	.0409	14.216
	.362	-.3491	.0209	-167.953	-.2410	.0210	13.612	.0933	.0437	13.017
	.430	-.3344	.0227	-167.535	-.2169	.0206	11.541	.1057	.0456	9.466
	.497	-.3227	.0250	-172.244	-.1409	.0190	17.167	.1331	.0443	15.109
	.565	-.2740	.0253	-166.436	-.0345	.0152	17.278	.2390	.0413	13.198
	.632	-.2735	.0262	-169.168	-.0756	.0096	25.657	.3275	.0354	14.958
	.700	-.2520	.0260	-168.973	-.2104	.0038	80.326	.4006	.0280	20.136
	.767	-.1902	.0263	-167.066	-.2805	.0068	144.974	.4332	.0195	23.088
	.835	-.1436	.0238	-170.952	.3150	.0108	160.687	.4038	.0114	32.282
	.902	-.0888	.0200	-172.753	.1930	.0097	178.283			
	.973									
	.990	.0393	.0068	178.868						
ETA = .875	.084	-.6521	.0271	-164.391						
	.143	-.5469	.0228	-167.402						
	.202									
	.301	-.5030	.0319	-177.765						
	.407									
	.513	-.2955	.0743	-175.335						
	.680	-.2104	.0645	-165.259						
	.830									
ETA = .981	.160				-.2323	.0186	12.197			

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367									
POINT NUMBER 544	MACH = .700	RN = 4.243*10E6	H = 950.825 PSF	ALPHA = 2.015 DEG					
	Q = 200.953 PSF	GAMMA = 1.132	P = 723.625 PSF	CPSTAR = -.866					
	DELTA (MEAN) = -.005 DEG	DELTA (AMPL) = .987 DEG	OSCILLATION FREQUENCY = 20.073 HZ	K = .659					
ANALYZED VALUES :	DELTA (MEAN) = .163 DEG	DELTA (AMPL) = .949 DEG	OSCILLATION FREQUENCY = 20.076 HZ	K = .660					
X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025 -1.4668	.0035	-152.455	.0520	.0020	30.722	1.5188	.0055	28.700
	.087 -.8293	.0024	-137.677	-.0919	.0015	46.431	.7374	.0039	43.903
	.148 -.6866	.0018	-110.606	-.1349	.0006	35.618	.5517	.0023	61.137
	.209 -.6078	.0024	-147.715	-.1175	.0013	10.761	.4903	.0036	24.757
	.294 -.6220	.0004	171.280	-.1996	.0014	-34.856	.4224	.0018	-29.136
	.350 -.5974	.0018	-89.301	-.2138	.0021	30.865	.3835	.0034	58.247
	.407 -.5849	.0024	-140.689	-.1784	.0026	9.020	.4065	.0048	23.545
	.463 -.5653	.0039	141.727	-.2358	.0024	-1.134	.3295	.0060	-24.277
	.519 -.5203	.0007	47.638	-.1717	.0024	10.237	.3486	.0019	-2.748
	.579 -.5314	.0007	-143.367	-.1076	.0018	1.160	.4239	.0024	10.148
	.659 -.4614	.0007	-124.119	.0457	.0015	2.804	.5071	.0020	19.050
	.739 -.4006	.0018	-172.526	.1991	.0012	9.077	.5997	.0030	8.115
	.819 -.3087	.0013	157.134	.3055	.0017	21.262	.6142	.0028	2.292
	.899 -.1518	.0017	-143.128	.3644	.0015	37.690	.5162	.0032	37.255
	.974			.2683	.0005	80.133			
	.990 .0715	.0007	-178.332						
ETA = .871	.025 -1.2180	.0102	154.285	.0701	.0068	-2.897	1.2880	.0167	-16.617
	.084 -.7681	.0078	163.793	-.0765	.0060	-6.806	.6915	.0137	-11.904
	.143 -.6461	.0067	163.935	-.1184	.0056	-4.999	.5277	.0122	-10.710
	.202 -.6181	.0062	170.093	-.1799	.0066	-4.699	.4381	.0127	-4.438
	.301 -.4710	.0086	-171.003	-.2911	.0088	-2.167	.1799	.0173	3.331
	.354 -.4988	.0098	179.630	-.2382	.0098	5.106	.2605	.0196	2.368
	.407 -.4318	.0083	172.281	-.2583	.0107	5.774	.1735	.0189	-1.116
	.460 -.4951	.0115	-171.498	-.2372	.0118	6.628	.2579	.0233	7.533
	.513 -.4921	.0140	-167.200	-.1906	.0150	11.528	.3015	.0290	12.142
	.566 -.4560	.0165	-165.138	-.1558	.0162	19.799	.3002	.0327	17.368
	.680 -.3391	.0272	-161.050	.0374	.0216	18.748	.3766	.0488	18.861
	.742 -.2470	.0353	-162.154	.1159	.0253	20.775	.3629	.0606	18.860
	.830 -.2110	.0248	-159.146	.3022	.0197	28.126	.5133	.0444	24.073
	.910 -.0460	.0030	-3.614	.3495	.0125	39.932	.3955	.0105	51.251
	.975			.2818	.0064	37.041			
	.990 .1010	.0052	-157.114						
ETA = .972	.025 -1.0716	.0169	169.531	-.0388	.0092	-1.880	1.0327	.0260	-7.443
	.092 -.6739	.0076	-179.136	-.1486	.0064	3.794	.5253	.0140	2.203
	.126			-.1890	.0065	-2.774			
	.160								
	.227 -.6084	.0084	-167.026	-.2538	.0055	-.096	.1957	.0113	1.146
	.294 -.4496	.0058	-177.676	-.2423	.0065	-3.251	.1092	.0135	2.533
	.362 -.3515	.0071	-172.077	-.2118	.0060	16.394	.1412	.0139	12.940
	.430 -.3510	.0079	-169.530	-.2433	.0063	16.320	.0948	.0142	10.902
	.497 -.3381	.0079	-167.040	-.2192	.0057	10.169	.1083	.0129	12.213
	.565 -.3274	.0072	-166.170	-.1413	.0060	16.636	.1375	.0143	16.933
	.632 -.2788	.0083	-162.418	-.0348	.0053	21.637	.2441	.0130	16.830
	.700 -.2789	.0077	-166.407	.0754	.0037	46.747	.3311	.0116	22.747
	.767 -.2556	.0084	-167.570	.2098	.0023	87.608	.4048	.0093	30.927
	.835 -.1950	.0083	-162.461	.2876	.0031	126.389	.4348	.0068	34.343
	.902 -.1471	.0076	-169.714	.3126	.0036	155.281	.4050	.0044	48.792
	.973 -.0924	.0064	-163.849	.1908	.0031	161.650			
	.990 .0377	.0018	-170.886						
ETA = .875	.084								
	.143 -.6588	.0086	-175.517						
	.202 -.5522	.0069	176.642						
	.301								
	.407 -.5083	.0101	-174.379						
	.513								
	.680 -.3029	.0244	-168.642						
	.830 -.2191	.0201	-160.620						
ETA = .981	.160								
				-.2374	.0060	.588			

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367										
POINT NUMBER 545	MACH = .699	RN = 4.239*10E6	H = 950.625 PSF	ALPHA = 2.015 DEG						
	Q = 200.475 PSF	GAMMA = 1.132	P = 724.050 PSF	CPSTAR = -.871						
	DELTA (MEAN) = -.104 DEG	DELTA (AMPL) = 2.078 DEG	OSCILLATION FREQUENCY = 20.073 HZ	K = .660						
ANALYZED VALUES :	DELTA (MEAN) = .071 DEG	DELTA (AMPL) = 2.025 DEG	OSCILLATION FREQUENCY = 20.101 HZ	K = .661						
	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE	
ETA = .707	.025 .087 .148 .209 .294 .350 .407 .463 .519 .579 .659 .739 .819 .899 .974 .990	-1.4699 -.8276 -.6830 -.6049 -.6188 -.5934 -.5817 -.5605 -.5178 -.5274 -.4573 -.3969 -.3055 -.1494 .0739	.0053 .0041 .0017 .0010 .0039 .0038 .0027 .0048 .0020 .0063 .0050 .0042 .0038 .0025 .0021	-132.149 -164.609 -168.968 -167.202 175.253 144.783 143.497 159.486 179.691 172.201 179.982 -179.097 -170.604 -171.263 -160.511	.0568 -.0880 -.1299 -.1938 -.1964 -.2104 -.1749 -.2327 -.1674 -.1041 .0496 .2018 .3080 .3659 .2700	.0045 .0043 .0025 .0033 .0029 .0038 .0035 .0036 .0038 .0039 .0029 .0034 .0024 .0027 .0016	41.846 21.930 17.031 21.729 14.657 18.285 7.226 -3.836 23.210 6.308 28.390 22.008 8.864 18.419 3.791	1.5267 .7397 .5530 .4911 .4225 .3830 .4068 .3278 .3504 .4234 .5069 .5987 .6134 .5154 .0098 .0084 .0042 .0043 .0067 .0068 .0058 .0083 .0057 .0101 .0077 .0075 .0061 .0052	45.094 18.738 14.603 19.656 3.515 -8.466 -11.674 -13.375 15.147 -2.413 10.337 10.332 -2.345 13.764	
ETA = .871	.025 .084 .143 .202 .301 .354 .407 .460 .513 .566 .680 .742 .830 .910 .975 .990	-1.2171 -.7649 -.6444 -.6139 -.4681 -.4955 -.4276 -.4897 -.4872 -.4509 -.3332 -.2403 -.2049 -.0458 .1028	.0211 .0146 .0130 .0150 .0163 .0202 .0174 .0272 .0302 .0374 .0600 .0741 .0514 .0077 .0095	140.712 157.750 159.352 158.600 -175.875 -177.783 168.439 -177.415 -172.326 -166.739 -163.739 -165.735 -159.537 -.270 -162.765	.0751 -.0721 -.1144 -.1768 -.2878 -.2342 -.2547 -.2346 -.1881 -.1545 -.0378 -.1162 .3032 .3502 .2837	.0141 .0112 .0107 .0139 .0174 .0198 .0226 .0266 .0316 .0341 .0451 .0551 .0401 .0262 .0122	-10.864 -3.832 -2.459 -3.472 1.409 7.312 8.134 10.700 12.724 16.086 16.299 17.432 26.980 36.435 47.373	1.2921 .6928 .5300 .4371 .1802 .2612 .1730 .2552 .2991 .2964 .3711 .3564 .5080 .3960	.0342 .0255 .0234 .0286 .0337 .0400 .0394 .0537 .0617 .0715 .1051 .1292 .0914 .0205	-27.959 -14.265 -12.443 -12.733 2.723 4.739 -4.421 6.597 10.257 14.608 16.278 15.937 23.308 49.377
ETA = .972	.025 .092 .126 .160 .227 .294 .362 .430 .497 .565 .632 .700 .767 .835 .902 .973 .990	-1.0710 -.6702 -.6045 -.4455 -.3471 -.3498 -.3352 -.3236 -.2751 -.2747 -.2519 -.1900 -.1440 -.0893 .0398	.0362 .0191 .0166 .0131 .0132 .0145 .0169 .0174 .0185 .0184 .0186 .0192 .0167 .0136 .0039	165.536 172.822 179.219 -175.114 -170.692 -172.565 -174.190 -177.306 -171.126 -171.151 -169.206 -167.225 -172.258 -173.084 175.636	-.0344 -.1449 -.1859 -.2501 -.2387 -.2095 -.2408 -.2170 -.1399 -.0328 -.0773 -.2121 -.2905 -.3155 .1931	.0214 .0142 .0115 .0109 .0124 .0133 .0145 .0146 .0144 .0113 .0073 .0046 .0051 .0078 .0073	-2.875 -2.277 -5.933 1.011 7.605 15.993 14.051 15.561 20.785 26.389 39.326 87.857 145.844 156.011 168.003	1.0366 .5253 .1954 .1084 .1403 .0944 .1066 .1352 .2419 .3291 .4020 .4345 .4048	.0573 .0332 .0240 .0256 .0277 .0313 .0318 .0327 .0294 .0252 .0209 .0133 .0080	-10.163 -3.147 3.126 8.483 11.529 9.615 8.562 14.085 15.507 18.895 25.076 22.527 37.029
ETA = .875	.084 .143 .202 .301 .407 .513 .680 .830	-.6547 -.5499 -.5043 -.2979 -.2130	.0155 .0135 .0210 .0536 .0450	168.689 172.846 173.120 -174.086 -160.881	-.2336 .0109	.366				
ETA = .981	.160									

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367									
POINT NUMBER 546		MACH = .701		RN = 4.248*10E6		H = 951.225 PSF		ALPHA = 2.017 DEG	
		Q = 201.361 PSF		GAMMA = 1.132		P = 723.500 PSF		CPSTAR = -.862	
		DELTA (MEAN) = -.199 DEG		DELTA (AMPL) = 3.047 DEG		OSCILLATION FREQUENCY = 20.073 HZ		K = .659	
ANALYZED VALUES :		DELTA (MEAN) = -.023 DEG		DELTA (AMPL) = 2.969 DEG		OSCILLATION FREQUENCY = 20.076 HZ		K = .659	
X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-1.4665	.0067	-139.963	.0542	.0060	31.621	1.5207	.0127
	.087	-.8298	.0028	-148.618	-.0903	.0049	20.164	.7395	.0077
	.148	-.6857	.0014	-155.359	-.1317	.0043	14.769	.5540	.0057
	.209	-.6071	.0043	-169.855	-.1159	.0035	2.673	.4913	.0078
	.294	-.6205	.0028	-125.734	-.1979	.0038	13.796	.4226	.0055
	.350	-.5956	.0038	-124.775	-.2127	.0046	15.158	.3829	.0069
	.407	-.5837	.0043	-152.749	-.1772	.0056	18.459	.4065	.0091
	.463	-.5641	.0081	-154.830	-.2351	.0055	5.186	.3290	.0131
	.519	-.5193	.0046	-173.722	-.1705	.0057	6.102	.3488	.0102
	.579	-.5294	.0078	-157.414	-.1056	.0054	12.333	.4237	.0126
	.659	-.4600	.0067	-158.906	-.0478	.0053	8.006	.5078	.0116
	.739	-.3992	.0068	-174.945	.2004	.0054	17.660	.5996	.0120
	.819	-.3061	.0052	-173.618	.3072	.0049	20.653	.6133	.0098
	.899	-.1494	.0035	-174.780	.3658	.0047	8.185	.5152	.0082
	.974				.2691	.0022	30.683		
	.990	.0732	.0013	-151.498					
ETA = .871	.025	-1.2171	.0277	131.473	.0705	.0192	-12.263	1.2876	.0446
	.084	-.7686	.0187	149.748	-.0762	.0167	-9.649	.6924	.0348
	.143	-.6462	.0192	153.472	-.1183	.0164	-9.847	.5279	.0352
	.202	-.6164	.0208	158.774	-.1802	.0200	-4.890	.4363	.0404
	.301	-.4687	.0230	175.131	-.2919	.0270	1.039	.1768	.0499
	.354	-.4977	.0294	175.198	-.2383	.0305	4.585	.2594	.0497
	.407	-.4297	.0250	167.587	-.2586	.0349	5.562	.1710	.0522
	.460	-.4915	.0386	-177.548	-.2391	.0391	9.112	.2524	.0592
	.513	-.4880	.0450	-172.290	-.1919	.0446	12.537	.2961	.0776
	.566	-.4509	.0566	-169.395	-.1589	.0510	15.992	.2920	.0895
	.680	-.3325	.0883	-165.002	.0336	.0673	15.092	.2920	.1075
	.742	-.2387	.1089	-166.083	.1117	.0822	17.147	.3661	.1556
	.830	-.2028	.0742	-161.046	.2989	.0593	26.127	.3504	.1910
	.910	-.0462	.0002	53.747	.3476	.0375	33.899	.5017	.1332
	.975				.2800	.0183	42.050	.3938	.0373
	.990	.0999	.0150	-162.546					
ETA = .972	.025	-1.0760	.0487	161.142	-.0360	.0289	-2.569	1.0399	.0769
	.092	-.6748	.0256	168.215	-.1478	.0198	1.186	.5270	.0451
	.126				-.1885	.0168	-4.252		
	.160	-.6075	.0222	174.534	-.2548	.0165	1.537	.1929	.0342
	.227	-.4476	.0177	176.622	-.2429	.0182	5.892	.1068	.0378
	.294	-.3497	.0196	-176.334	-.2127	.0205	13.563	.1396	.0417
	.362	-.3523	.0214	-178.362	-.2438	.0219	12.569	.0933	.0478
	.430	-.3371	.0260	-175.362	-.2203	.0220	13.049	.1047	.0480
	.497	-.3250	.0262	-178.311	-.1435	.0205	21.608	.1325	.0472
	.565	-.2760	.0269	-168.808	-.0769	.0164	29.028	.2388	.0443
	.632	-.2757	.0287	-172.822	.0369	.0115	40.292	.3286	.0379
	.700	-.2543	.0276	-170.654	.2093	.0062	80.642	.4022	.0305
	.767	-.1927	.0279	-169.798	.2093	.0076	132.702	.4332	.0200
	.835	-.1450	.0238	-175.195	.2883	.0110	159.471	.4038	.0118
	.902	-.0899	.0209	-176.251	.1919	.0104	170.808		
	.973								
	.990	.0384	.0077	174.866					
ETA = .875	.084	-.6596	.0193	152.429					
	.143	-.5514	.0172	155.206					
	.202								
	.301	-.5071	.0313	169.841					
	.407								
	.513	-.2969	.0739	-175.522					
	.680	-.2105	.0664	-162.473					
	.830								
ETA = .981	.160				-.2369	.0164	-1.221		

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367										
POINT NUMBER 577	MACH = .601	RN = 5.033*10E6	H = 1210.925 PSF	ALPHA = -.023 DEG						
	Q = 202.679 PSF	GAMMA = 1.134	P = 989.075 PSF	CPSTAR = -1.429						
	DELTA (MEAN) = -.014 DEG	DELTA (AMPL) = 1.021 DEG	OSCILLATION FREQUENCY = 5.054 HZ	K = .195						
ANALYZED VALUES :	DELTA (MEAN) = .174 DEG	DELTA (AMPL) = .993 DEG	OSCILLATION FREQUENCY = 5.040 HZ	K = .194						
	UPPER CP	UPPER CP	UPPER CP	LOWER CP	LOWER CP	LOWER CP	DELTA CP	DELTA CP	DELTA CP	
	X/C	MEAN	MAGNITUDE	PHASE	MEAN	MAGNITUDE	PHASE	MEAN	MAGNITUDE	PHASE
ETA = .707	.025	-.6948	.0141	12.509	-.2413	.0095	-165.231	.4535	.0236	-166.581
	.087	-.4710	.0065	12.115	-.2314	.0050	-154.407	.2396	.0114	-162.029
	.148	-.4250	.0059	13.853	-.2344	.0040	-143.867	.1906	.0097	-157.171
	.209	-.3819	.0036	34.719	-.2103	.0031	-157.019	.1715	.0067	-150.711
	.294	-.4289	.0032	13.856	-.2764	.0019	-110.553	.1525	.0046	-146.002
	.350	-.4128	.0023	34.726	-.2589	.0017	-140.267	.1538	.0040	-143.146
	.407	-.4280	.0011	49.025	-.2209	.0014	-125.233	.2071	.0025	-127.759
	.463	-.4269	.0037	39.450	-.2515	.0022	-85.758	.1754	.0053	-120.660
	.519	-.3914	.0009	167.121	-.1835	.0002	15.900	.2078	.0011	-7.762
	.579	-.3978	.0010	131.435	-.1408	.0014	-66.731	.2570	.0024	-59.175
	.659	-.3471	.0007	160.893	.0310	.0016	-26.330	.3781	.0023	-24.133
	.739	-.3332	.0008	-122.855	.2017	.0014	-7.518	.5349	.0019	15.020
	.819	-.2603	.0004	-124.754	.2793	.0015	-44.348	.5395	.0015	-28.963
	.899	-.1447	.0013	-132.777	.3510	.0007	-9.002	.4958	.0018	28.216
	.974				.2642	.0011	-39.949			
	.990	.0809	.0016	74.916						
ETA = .871	.025	-.5550	.0122	36.372	-.2396	.0094	-132.176	.3154	.0215	-138.647
	.084	-.4429	.0053	51.922	-.2511	.0049	-109.858	.1919	.0101	-119.328
	.143	-.3905	.0031	71.049	-.2456	.0021	-65.397	.1449	.0048	-91.567
	.202	-.4071	.0015	107.428	-.2669	.0041	-53.023	.1402	.0055	-58.225
	.301	-.3042	.0039	161.370	-.3336	.0055	-15.073	-.0294	.0094	-16.549
	.354	-.3685	.0055	155.091	-.2890	.0064	-10.564	-.0795	.0118	-17.191
	.407	-.2916	.0061	167.296	-.2948	.0085	-5.497	-.0031	.0146	-8.508
	.460	-.3643	.0093	170.744	-.2696	.0106	-3.140	.0947	.0139	-5.998
	.513	-.3668	.0098	178.970	-.2162	.0120	6.199	.1506	.0218	2.950
	.566	-.3751	.0144	179.356	-.1717	.0144	3.307	.2034	.0288	1.922
	.680	-.2733	.0232	-175.566	.0362	.0196	7.521	.3095	.0428	5.847
	.742	-.2074	.0299	-174.377	.1028	.0241	5.904	.3102	.0540	5.748
	.830	-.1832	.0235	-175.459	.2860	.0177	8.224	.4692	.0412	6.295
	.910	-.0444	.0020	92.328	.3164	.0105	11.734	.3607	.0104	.757
	.975				.2559	.0058	16.291			
	.990	.1115	.0006	167.327						
ETA = .972	.025	-.5191	.0118	61.725	-.3165	.0095	-116.820	.2026	.0213	-117.626
	.092	-.3918	.0043	77.288	-.2482	.0032	-79.695	.1436	.0074	-92.914
	.126				-.2652	.0024	-79.752			
	.160	-.4082	.0022	90.767	-.2666	.0041	-24.496	.0561	.0072	-26.298
	.227	-.3227	.0031	151.320	-.2376	.0043	-16.551	.0246	.0075	-19.700
	.294	-.2622	.0032	156.067	-.2038	.0051	-6.514	.0504	.0102	-13.823
	.362	-.2542	.0052	159.009	-.2471	.0064	-7.311	.0171	.0120	-7.916
	.430	-.2642	.0056	171.332	-.2006	.0064	2.692	.0596	.0115	.524
	.497	-.2600	.0051	177.805	-.1199	.0069	10.456	.0896	.0135	.516
	.565	-.2095	.0068	170.428	-.2059	.0063	-4.968	.1822	.0124	-6.916
	.632	-.2080	.0061	170.970	-.0934	.0048	13.025	.2930	.0037	11.880
	.700	-.2056	.0039	-169.530	.2206	.0024	3.089	.3626	.0073	-6.044
	.767	-.1420	.0049	169.497	.2926	.0003	-62.874	.3894	.0048	-4.885
	.835	-.0968	.0046	178.286	.3366	.0018	-157.983	.3910	.0021	-7.126
	.902	-.0544	.0038	-173.789	.2162	.0021	-159.111			
	.973									
	.990	.0414	.0007	109.013						
ETA = .875	.084	-.3868	.0016	83.301						
	.143	-.3023	.0023	103.327						
	.202									
	.301	-.3438	.0068	170.962						
	.407									
	.513	-.2300	.0204	179.965						
	.680	-.2180	.0226	-170.354						
	.830									
ETA = .981	.160				-.2702	.0024	-61.763			

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367									
POINT NUMBER 578		MACH = 5.036		RN = 5.036*10E6		H = 1213.250 PSF		ALPHA = -.024 DEG	
		Q = 204.113 PSF		GAMMA = 1.134		P = 989.700 PSF		CPSTAR = -1.415	
		DELTA (MEAN) = -.042 DEG		DELTA (AMPL) = 2.087 DEG		OSCILLATION FREQUENCY = 5.054 HZ		K = .194	
ANALYZED VALUES :		DELTA (MEAN) = .104 DEG		DELTA (AMPL) = 2.039 DEG		OSCILLATION FREQUENCY = 5.044 HZ		K = .193	
X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-.6926	.0278	16.162	-.2396	.0211	-168.178	.4531	.0489
	.087	-.4691	.0132	17.949	-.2285	.0116	-163.088	.2406	.0248
	.148	-.4239	.0101	23.075	-.2320	.0089	-161.895	.1919	.0190
	.209	-.3789	.0077	31.720	-.2082	.0076	-164.687	.1707	.0151
	.294	-.4274	.0054	27.593	-.2748	.0041	-148.257	.1526	.0095
	.350	-.4106	.0038	34.583	-.2547	.0034	-155.025	.1559	.0072
	.407	-.4280	.0045	45.358	-.2194	.0025	-165.803	.2086	.0068
	.463	-.4275	.0067	43.519	-.2477	.0016	-161.352	.1798	.0081
	.519	-.3912	.0029	97.955	-.1807	.0022	-130.553	.2106	.0047
	.579	-.3945	.0029	84.357	-.1403	.0019	-38.901	.2542	.0043
	.659	-.3432	.0013	135.921	.0324	.0020	-55.333	.3756	.0033
	.739	-.3339	.0020	151.666	.2050	.0018	-46.065	.5388	.0038
	.819	-.2576	.0028	174.988	.2791	.0017	-48.835	.5367	.0042
	.899	-.1450	.0012	-171.310	.3534	.0020	-55.026	.4984	.0028
	.974				.2656	.0008	-73.790		
	.990	.0819	.0004	53.793					
ETA = .871	.025	-.5591	.0263	37.124	-.2371	.0201	-136.270	.3220	.0463
	.084	-.4416	.0122	53.573	-.2497	.0085	-119.867	.1919	.0207
	.143	-.3887	.0071	69.956	-.2446	.0062	-86.337	.1441	.0130
	.202	-.4055	.0054	111.442	-.3359	.0068	-52.478	.1396	.0121
	.301	-.3011	.0071	152.530	-.3306	.0113	-18.234	-.0295	.0183
	.354	-.3680	.0115	161.957	-.2875	.0134	-9.904	.0805	.0248
	.407	-.2879	.0135	163.997	-.2924	.0186	-7.406	-.0046	.0320
	.460	-.3604	.0183	173.183	-.2700	.0215	-2.531	.0905	.0398
	.513	-.3640	.0234	177.445	-.2164	.0255	-3.152	.1476	.0489
	.566	-.3728	.0294	177.814	-.1729	.0294	1.491	.1999	.0588
	.680	-.2702	.0474	-176.836	.0370	.0399	2.067	.3072	.0873
	.742	-.2058	.0617	-176.674	.1006	.0476	3.408	.3064	.1093
	.830	-.1803	.0462	-176.150	.2856	.0324	6.957	.4659	.0786
	.910	-.0426	.0026	74.772	.3144	.0213	8.757	.3569	.0204
	.975				.2534	.0104	7.515		
	.990	.1125	.0028	171.413					
ETA = .972	.025	-.5167	.0236	64.347	-.3155	.0220	-112.619	.2012	.0456
	.092	-.3896	.0091	92.658	-.2445	.0084	-92.919	.1451	.0175
	.126				-.2608	.0063	-71.337		
	.160	-.4051	.0067	113.259	-.2645	.0071	-35.660	.0551	.0135
	.227	-.3195	.0064	145.522	-.2354	.0074	-18.843	.0235	.0148
	.294	-.2589	.0074	155.811	-.2021	.0108	-8.235	.0485	.0193
	.362	-.2506	.0085	164.289	-.2473	.0115	-7.680	.0134	.0227
	.430	-.2607	.0112	170.661	-.1996	.0134	-1.338	.0574	.0255
	.497	-.2570	.0122	171.145	-.1189	.0140	2.267	.0861	.0274
	.565	-.2050	.0134	175.571	-.0246	.0112	2.813	.1794	.0244
	.632	-.2041	.0132	176.378	.0946	.0094	9.402	.2981	.0207
	.700	-.2036	.0114	177.512	.2213	.0043	9.357	.3603	.0157
	.767	-.1390	.0115	175.977	.2932	.0022	13.2029	.3863	.0078
	.835	-.0931	.0094	171.789	.3389	.0044	161.577	.3915	.0031
	.902	-.0526	.0072	174.605	.2179	.0027	165.421		
	.973								
	.990	.0425	.0024	172.422					
ETA = .875	.084	-.3867	.0097	75.591					
	.143	-.3013	.0055	93.803					
	.202								
	.301	-.3408	.0144	165.677					
	.407								
	.513	-.2283	.0449	-179.790					
	.680	-.2144	.0464	-175.954					
	.830								
ETA = .981	.160				-.2669	.0054	-49.502		

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367									
POINT NUMBER 579	MACH = .601	RN = 5.018*10E6	H = 1213.875 PSF	ALPHA = -.023 DEG					
	Q = 203.033 PSF	GAMMA = 1.134	P = 991.650 PSF	CPSTAR = -1.431					
	DELTA (MEAN) = .011 DEG	DELTA (AMPL) = 2.978 DEG	OSCILLATION FREQUENCY = 5.051 HZ	K = .194					
ANALYZED VALUES :	DELTA (MEAN) = .057 DEG	DELTA (AMPL) = 2.923 DEG	OSCILLATION FREQUENCY = 5.040 HZ	K = .194					
X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-.6895	.0407	15.965	-.2342	.0299	-164.710	.4553	.0706
	.087	-.4630	.0187	17.090	-.2225	.0160	-158.774	.2424	.0347
	.148	-.4217	.0135	21.797	-.2271	.0118	-156.236	.1945	.0253
	.209	-.3743	.0100	25.755	-.2030	.0087	-146.686	.1713	.0187
	.294	-.4239	.0075	32.629	-.2717	.0058	-133.633	.1523	.0132
	.350	-.4066	.0051	31.014	-.2509	.0043	-133.110	.1556	.0093
	.407	-.4269	.0050	41.740	-.2155	.0049	-115.417	.2114	.0097
	.463	-.4239	.0061	34.919	-.2432	.0036	-104.506	.1828	.0092
	.519	-.3889	.0038	61.876	-.1759	.0035	-96.582	.2130	.0072
	.579	-.3904	.0018	73.759	-.1364	.0038	-72.354	.2539	.0054
	.659	-.3381	.0011	82.253	.0372	.0029	-50.888	.3752	.0037
	.739	-.3239	.0012	157.897	.2107	.0038	-36.249	.5406	.0050
	.819	-.2534	.0020	157.224	.2830	.0033	-53.360	.5364	.0051
	.899	-.1421	.0009	-144.348	.3572	.0028	-61.150	.4993	.0028
	.974				.2702	.0014	-43.312		-42.794
	.990	.0856	.0018	-30.407					
ETA = .871	.025	-.5669	.0389	32.790	-.2350	.0288	-136.399	.3318	.0674
	.084	-.4403	.0166	50.772	-.2474	.0137	-117.427	.1929	.0301
	.143	-.3867	.0099	62.351	-.2445	.0098	-83.025	.1422	.0188
	.202	-.4046	.0071	99.678	-.2622	.0099	-54.755	.1424	.0166
	.301	-.2990	.0090	147.527	-.3269	.0166	-23.442	-.0279	.0255
	.354	-.3662	.0143	157.337	-.2850	.0192	-18.403	.0812	.0335
	.407	-.2843	.0176	167.488	-.2900	.0263	-10.364	-.0056	.0439
	.460	-.3565	.0256	172.312	-.2673	.0298	-5.801	.0892	.0554
	.513	-.3594	.0321	179.121	-.2144	.0358	-5.059	.1450	.0679
	.566	-.3707	.0414	179.609	-.1698	.0414	-1.324	.2009	.0828
	.680	-.2667	.0682	-176.641	.0401	.0563	1.939	.3069	.1245
	.742	-.2029	.0878	-176.021	.1030	.0686	2.315	.3059	.1564
	.830	-.1766	.0678	-174.829	.2866	.0462	4.780	.4632	.1140
	.910	-.0389	.0076	160.113	.3152	.0296	7.043	.3541	.0365
	.975				.2546	.0144	5.160		1.637
	.990	.1152	.0023	-149.486					
ETA = .972	.025	-.5171	.0364	56.971	-.3114	.0329	-115.724	.2057	.0692
	.092	-.3872	.0128	76.904	-.2410	.0138	-87.331	.1462	.0263
	.126				-.2578	.0103	-77.815		-119.561
	.160	-.4026	.0082	106.377					-94.916
	.227	-.3174	.0075	138.860	-.2613	.0110	-39.551	.0561	.0185
	.294	-.2580	.0087	151.171	-.2334	.0100	-19.127	.0246	.0186
	.362	-.2474	.0117	166.781	-.1989	.0136	-14.332	.0485	.0253
	.430	-.2590	.0148	173.057	-.2460	.0164	-10.676	.0130	.0312
	.497	-.2550	.0182	174.108	-.1973	.0185	-8.353	.0576	.0367
	.565	-.2008	.0199	179.178	-.1165	.0178	1.347	.0843	.0377
	.632	-.2002	.0199	177.698	-.0237	.0161	-.940	.1766	.0360
	.700	-.1991	.0186	-179.987	.0971	.0125	4.577	.2962	.0311
	.767	-.1360	.0175	176.825	.2238	.0049	-.552	.3598	.0224
	.835	-.0909	.0157	-179.544	.2950	.0016	-148.136	.3859	.0144
	.902	-.0490	.0125	-178.518	.3427	.0073	-175.073	.3917	.0052
	.973				.2206	.0030	-165.898		-3.327
	.990	.0437	.0047	-155.934					
ETA = .875	.084	-.3848	.0105	68.805	-.2658	.0083	-60.392		
	.143	-.2993	.0078	96.189					
	.202								
	.301	-.3384	.0202	168.806					
	.407								
	.513	-.2269	.0645	-179.641					
	.680	-.2100	.0658	-175.731					
	.830								
ETA = .981	.160								

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367										
POINT NUMBER 580	MACH = .601	RN = 5.012*10E6	H = 1214.375 PSF	ALPHA = -.025 DEG						
	Q = 202.928 PSF	GAMMA = 1.134	P = 992.300 PSF	CPSTAR = -1.433						
	DELTA (MEAN) = -.018 DEG	DELTA (AMPL) = .988 DEG	OSCILLATION FREQUENCY = 15.069 HZ	K = .580						
ANALYZED VALUES :	DELTA (MEAN) = .136 DEG	DELTA (AMPL) = .960 DEG	OSCILLATION FREQUENCY = 15.045 HZ	K = .579						
	X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-.6928	.0086	-114.133	-.2376	.0063	58.769	.4552	.0149	62.866
	.087	-.4666	.0050	-149.089	-.2263	.0036	64.737	.2403	.0082	44.990
	.148	-.4233	.0042	-142.807	-.2311	.0027	49.254	.1923	.0069	41.908
	.209	-.3758	.0041	-146.584	-.2074	.0026	55.384	.1684	.0066	41.912
	.294	-.4270	.0021	-146.557	-.2759	.0018	46.190	.1511	.0039	39.124
	.350	-.4087	.0030	-145.567	-.2535	.0017	41.976	.1552	.0037	37.160
	.407	-.4285	.0018	-131.523	-.2198	.0016	46.627	.2088	.0034	47.160
	.463	-.4295	.0035	171.188	-.2462	.0023	30.220	.1833	.0055	46.606
	.519	-.3929	.0032	-79.139	-.1789	.0013	15.971	.2140	.0036	79.330
	.579	-.3934	.0030	-178.144	-.1412	.0014	57.973	.2522	.0040	18.945
	.659	-.3409	.0015	-153.278	.0346	.0016	16.864	.3756	.0031	18.634
	.739	-.3338	.0029	-154.194	.2074	.0012	38.889	.5412	.0041	21.451
	.819	-.2563	.0017	-132.401	.2791	.0005	78.108	.5353	.0021	54.528
	.899	-.1445	.0018	-168.213	.3545	.0014	66.869	.4989	.0028	35.598
	.974				.2682	.0008	45.572			
	.990	.0821	.0014	-117.504						
ETA = .871	.025	-.5603	.0176	-157.092	-.2398	.0150	28.021	.3204	.0326	25.260
	.084	-.4426	.0116	-150.030	-.2523	.0099	27.325	.1303	.0215	28.752
	.143	-.3884	.0094	-158.056	-.2486	.0082	20.802	.1398	.0176	21.412
	.202	-.4078	.0090	-155.913	-.2659	.0078	24.529	.1419	.0168	24.292
	.301	-.3019	.0079	-154.049	-.3311	.0095	17.684	-.0292	.0174	21.437
	.354	-.3719	.0102	-160.263	-.2894	.0104	16.379	.0825	.0206	18.042
	.407	-.2880	.0091	-159.835	-.2940	.0120	12.170	-.0060	.0210	15.617
	.460	-.3623	.0130	-160.716	-.2709	.0114	14.319	.0914	.0244	16.965
	.513	-.3635	.0130	-164.597	-.2177	.0142	16.222	.1458	.0272	15.831
	.566	-.3765	.0167	-165.068	-.1733	.0156	18.742	.2032	.0323	16.772
	.680	-.2720	.0251	-162.933	-.0387	.0200	17.410	.3108	.0451	17.331
	.742	-.2082	.0317	-164.911	.1015	.0247	16.540	.3098	.0564	15.725
	.830	-.1832	.0241	-160.354	.2846	.0185	25.739	.4678	.0425	22.291
	.910	-.0423	.0029	55.137	.3119	.0112	34.678	.3542	.0085	27.864
	.975				.2514	.0051	32.770			
	.990	.1126	.0020	-124.548						
ETA = .972	.025	-.5180	.0211	-146.742	-.3178	.0187	32.479	.2002	.0398	32.892
	.092	-.3887	.0098	-149.230	-.2450	.0095	27.862	.1437	.0193	29.338
	.126				-.2611	.0070	20.759			
	.160	-.4061	.0083	-155.339	-.2644	.0058	19.391	.0565	.0115	21.136
	.227	-.3209	.0057	-157.089	-.2363	.0042	14.624	.0257	.0107	19.473
	.294	-.2620	.0065	-157.396	-.2019	.0061	15.094	.0487	.0123	22.459
	.362	-.2506	.0063	-150.410	-.2438	.0055	15.841	.0140	.0117	22.410
	.430	-.2638	.0063	-151.859	-.2001	.0072	7.143	.0593	.0148	11.886
	.497	-.2595	.0076	-163.622	-.1187	.0061	9.654	.0871	.0139	16.866
	.565	-.2057	.0079	-157.572	-.0259	.0049	10.806	.1793	.0124	12.480
	.632	-.2052	.0075	-166.426	.0947	.0026	11.666	.2986	.0086	14.215
	.700	-.2040	.0060	-164.681	.2209	.0011	45.475	.3603	.0079	16.769
	.767	-.1394	.0070	-167.560	.2918	.0018	171.337	.3863	.0035	21.473
	.835	-.0945	.0051	-168.734	.3403	.0028	170.101	.3927	.0018	50.516
	.902	-.0523	.0040	-166.982	.2177	.0031	171.622			
	.973									
	.990	.0408	.0012	-142.052						
ETA = .875	.084	-.3878	.0092	-154.121						
	.143	-.3027	.0081	-158.870						
	.202									
	.301	-.3429	.0093	-173.813						
	.407									
	.513	-.2336	.0225	-172.820						
	.680	-.2169	.0225	-164.849						
	.830									
ETA = .981	.160				-.2690	.0047	17.066			

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367										
POINT NUMBER 583	MACH = .603	RN = 5.036*10E6	H = 1215.400 PSF	ALPHA = -.025 DEG						
	Q = 204.254 PSF	GAMMA = 1.134	P = 991.725 PSF	CPSTAR = -1.418						
	DELTA (MEAN) = -.127 DEG	DELTA (AMPL) = 1.987 DEG	OSCILLATION FREQUENCY = 15.017 HZ	K = .576						
ANALYZED VALUES :	DELTA (MEAN) = .047 DEG	DELTA (AMPL) = 1.959 DEG	OSCILLATION FREQUENCY = 15.040 HZ	K = .577						
	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE	
ETA = .707	.025 .087 .148 .209 .294 .350 .407 .463 .519 .579 .659 .739 .819 .899 .974 .990	-.6911 -.4665 -.4234 -.3762 -.4271 -.4086 -.4287 -.4287 -.3926 -.3932 -.3403 -.3336 -.3253 -.1436 -.0846	.0164 .0083 .0068 .0056 .0045 .0039 .0037 .0043 .0043 .0043 .0045 .0041 .0024 .0013 .0006	-130.545 -135.430 -137.007 -139.828 -141.294 -150.281 -149.348 -150.367 -109.920 -150.367 -164.802 -147.952 -172.849 -173.852 -165.757	-.2385 -.2263 -.2311 -.2067 -.2541 -.2541 -.2188 -.2450 -.1790 -.1399 .0356 .2097 .2819 .3559 .2699	.0139 .0078 .0073 .0059 .0052 .0049 .0043 .0046 .0036 .0041 .0036 .0037 .0030 .0035 .0013	40.175 46.547 43.464 50.952 36.219 34.094 36.108 37.547 47.865 41.149 29.634 44.448 52.645 57.905 44.879	.4526 .2401 .1924 .1696 .1520 .1545 .2099 .1837 .2136 .2533 .3759 .5433 .5372 .4995 .	.0302 .0161 .0141 .0114 .0097 .0088 .0080 .0085 .0069 .0084 .0080 .0078 .0050 .0044 .	45.199 45.528 43.237 45.703 37.373 32.156 33.585 19.911 58.651 35.254 21.610 37.929 32.652 44.562 .
ETA = .871	.025 .084 .143 .202 .301 .354 .407 .460 .513 .566 .680 .742 .830 .910 .975 .990	-.5641 -.4415 -.3885 -.4062 -.3901 -.3692 -.2841 -.3588 -.3509 -.3745 -.2687 -.2038 -.1787 -.0406 .1164	.0374 .0225 .0184 .0163 .0153 .0193 .0182 .0232 .0281 .0324 .0509 .0644 .0494 .0024 .0031	-152.927 -148.334 -151.689 -158.920 -159.925 -160.865 -160.809 -164.180 -166.777 -166.464 -165.803 -166.103 -163.470 45.273 -151.174	-.2375 -.2507 -.2472 -.2638 -.3289 -.2889 -.2922 -.2703 -.2172 -.1722 -.0339 .1034 .2870 .3149 .2555	.0333 .0203 .0172 .0167 .0196 .0212 .0249 .0256 .0295 .0318 .0415 .0499 .0367 .0236 .0117	31.007 29.666 28.889 22.679 19.603 16.056 14.239 13.234 13.807 17.517 16.224 15.655 25.620 34.383 38.605	.3266 .1909 .1413 .1424 -.0288 -.0803 -.0081 .0404 .0431 .0886 .0576 .0642 .0924 .1143 .4658 .3555	.0707 .0428 .0356 .0330 .0349 .0404 .0431 .0488 .0576 .0488 .0642 .0924 .1143 .0858 .0212	28.926 30.691 28.518 21.874 19.792 17.523 13.831 14.368 13.522 15.508 15.107 14.327 20.403 33.160 .
ETA = .972	.025 .092 .126 .160 .227 .294 .362 .430 .497 .565 .632 .700 .767 .835 .902 .973 .990	-.5170 -.3850 -.4025 -.3172 -.2582 -.2467 -.2592 -.2562 -.2014 -.2005 -.1995 -.1352 -.0896 -.0476 .0459	.0402 .0190 .0159 .0127 .0123 .0120 .0139 .0143 .0151 .0144 .0132 .0122 .0111 .0089 .0032	-145.563 -147.656 -150.248 -152.212 -155.787 -163.403 -160.858 -168.920 -162.517 -167.869 -168.210 -167.698 -171.600 -174.181 153.360	-.3135 -.2410 -.2610 -.2616 -.2333 -.1990 -.2471 -.1969 -.1157 -.0219 .0992 .2254 .2963 .3464 .2227	.0377 .0205 .0150 .0121 .0106 .0133 .0138 .0135 .0131 .0105 .0065 .0035 .0032 .0063 .0044	34.673 33.143 28.207 24.950 21.857 22.541 18.761 15.105 17.951 17.964 24.091 61.186 139.935 159.433 172.837	.2035 .1439 . .0556 .0249 .0477 .0121 .0592 .0856 .1786 .2987 .3605 .3859 .3940	.0779 .0395 . .0248 .0239 .0253 .0277 .0278 .0282 .0249 .0196 .0147 .0093 .0043	34.551 32.759 . 26.403 23.123 19.722 18.952 13.035 17.700 14.591 15.842 22.608 23.339 46.508 .
ETA = .875	.084 .143 .202 .301 .407 .513 .680 .830	-.3848 -.2997 . -.3418 . -.2291 -.2102	.0183 .0146 . .0208 . .0443 .0446	-156.119 -158.607 . -173.724 . -170.834 -167.1150124	25.420	.	.	
ETA = .981	.160	.	.	-.2661	.0124	25.420	.	.	.	

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367

POINT NUMBER 584

MACH = .602

RN = 5.025*10E6

H = 1216.225 PSF

ALPHA = -.024 DEG

Q = 204.060 PSF

GAMMA = 1.134

P = 992.800 PSF

CPSTAR = -1.422

DELTA (MEAN) = -.180 DEG

DELTA (AMPL) = 3.086 DEG

OSCILLATION FREQUENCY = 15.017 HZ

K = .576

ANALYZED VALUES : DELTA (MEAN) = -.019 DEG DELTA (AMPL) = 3.027 DEG

OSCILLATION FREQUENCY = 15.045 HZ K = .577

	X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-.6871	.0281	-126.291	-.2397	.0220	41.524	.4474	.0498	48.361
	.087	-.4627	.0157	-129.796	-.2262	.0137	41.861	.2365	.0293	46.223
	.148	-.4210	.0132	-128.879	-.2304	.0121	34.467	.1907	.0250	43.173
	.209	-.3731	.0112	-130.170	-.2060	.0103	36.446	.1670	.0214	43.515
	.294	-.4244	.0102	-134.735	-.2745	.0081	30.751	.1499	.0181	38.580
	.350	-.4064	.0087	-142.066	-.2533	.0076	29.373	.1531	.0163	34.223
	.407	-.4269	.0082	-135.303	-.2181	.0077	18.072	.2088	.0155	31.811
	.463	-.4268	.0053	-165.745	-.2451	.0073	13.724	.1817	.0126	13.947
	.519	-.3909	.0044	-113.662	-.1774	.0061	16.547	.2135	.0096	37.147
	.579	-.3913	.0059	-141.917	-.1390	.0061	10.857	.2522	.0117	24.239
	.659	-.3385	.0048	-150.781	.0371	.0054	11.915	.3755	.0101	20.054
	.739	-.3311	.0054	-163.549	.2116	.0046	15.157	.5427	.0100	15.856
	.819	-.2534	.0042	-167.216	.2825	.0044	11.591	.5359	.0086	12.173
	.899	-.1425	.0017	157.020	.3573	.0038	9.004	.4998	.0053	-.743
	.974									
	.990	.0866	.0006	120.719	.2712	.0016	-46.990			
ETA = .871	.025	-.5611	.0578	-155.787	-.2385	.0497	27.594	.3226	.1075	25.776
	.084	-.4403	.0336	-150.399	-.2517	.0314	24.509	.1886	.0649	27.141
	.143	-.3867	.0265	-154.211	-.2486	.0264	18.566	.1381	.0528	21.934
	.202	-.4062	.0264	-160.584	-.2653	.0270	13.681	.1410	.0533	16.516
	.301	-.2988	.0233	-160.746	-.3291	.0307	11.050	-.0303	.0539	14.589
	.354	-.2830	.0285	-164.173	-.2896	.0326	10.858	-.0784	.0610	13.176
	.407	-.2830	.0276	-170.963	-.2931	.0352	9.293	-.0100	.0628	9.180
	.460	-.3557	.0355	-164.959	-.2714	.0383	10.406	-.0858	.0737	12.636
	.513	-.3589	.0408	-165.148	-.2189	.0437	12.434	-.1400	.0845	13.601
	.566	-.3371	.0479	-165.781	-.1739	.0485	14.925	-.1982	.0964	14.575
	.680	-.2865	.0762	-165.343	.0384	.0638	13.563	.3048	.1400	14.049
	.742	-.2052	.0972	-166.239	.1017	.0764	14.463	.3029	.1737	14.069
	.830	-.1754	.0745	-162.349	.2846	.0551	25.149	.4599	.1293	20.838
	.910	-.0339	.0065	171.597	.3124	.0362	32.720	.3523	.0413	26.781
	.975				.2534	.0183	34.353			
	.990	.1149	.0040	-114.220						
ETA = .972	.025	-.5129	.0626	-145.219	-.3178	.0588	32.794	.1951	.1214	33.819
	.092	-.3844	.0289	-145.772	-.2431	.0299	28.709	.1413	.0587	31.422
	.126				-.2626	.0237	21.933			
	.160	-.4025	.0239	-147.022	-.2629	.0188	16.431	.0533	.0361	23.328
	.227	-.3163	.0176	-149.302	-.2353	.0170	17.165	.0235	.0342	23.372
	.294	-.2587	.0174	-150.563	-.2011	.0193	18.525	.0454	.0363	21.106
	.362	-.2469	.0170	-155.965	-.2487	.0204	16.169	.0105	.0395	20.309
	.430	-.2592	.0192	-155.292	-.1975	.0207	12.781	.0578	.0409	15.409
	.497	-.2552	.0202	-161.898	-.1166	.0206	15.448	.0847	.0427	17.281
	.565	-.2012	.0221	-161.009	-.0236	.0172	18.530	.1757	.0388	17.407
	.632	-.1993	.0216	-163.487	.0981	.0120	24.219	.2973	.0322	20.317
	.700	-.1992	.0202	-162.000	.2245	.0059	61.529	.3586	.0235	28.469
	.767	-.1341	.0188	-161.389	.2953	.0054	118.817	.3844	.0163	36.368
	.835	-.0891	.0165	-162.563	.3454	.0093	149.235	.3929	.0102	59.944
	.902	-.0475	.0137	-162.804	.2224	.0061	157.753			
	.973									
	.990	.0452	.0046	-162.217						
ETA = .875	.084	-.3844	.0272	-155.631						
	.143	-.2997	.0229	-159.878						
	.202									
	.301	-.3407	.0299	-168.275						
	.407									
	.513	-.2296	.0676	-172.944						
	.680	-.2054	.0684	-166.700						
	.830									
ETA = .981	.160				-.2679	.0179	17.202			

Table 4. Continued

U N S T E A D Y P R E S S U R E S - T D T T E S T 3 6 7

POINT NUMBER 585

MACH = .601

RN = 5.013*10E6

H = 1217.050 PSF

ALPHA = -.023 DEG

DELTA (MEAN) = - .056 DEG

GAMMA = 1.133
DELTA (AMPL) = 1.022 DEG

OSCILLATION FREQUENCY = 20.202 HZ

$$\begin{aligned} \text{ALPHA} &= -0.029 \\ \text{CPSTAR} &= -1.432 \\ 202 \text{ HZ} \quad K &= .777 \end{aligned}$$

ANALYZED VALUES :

DELTA (MEAN) = .116 DEG

DELTA (AMPL) = .996 DEG

OSCILLATION FREQUENCY = 20.182 HZ

182 HZ K = .776

	X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025 .087 .148 .209 .294 .350 .407 .463 .519 .579 .659 .739 .819 .899 .974 .990	-.6889 -.4641 -.4222 -.3727 -.4262 -.4066 -.4278 -.4281 -.3309 -.3306 -.3380 -.3319 -.2336 -.1434 .0838	.0035 .0016 .0018 .0014 .0021 .0013 .0008 .0052 .0026 .0026 .0025 .0029 .0025 .0017 .0009	-113.115 -141.626 -141.179 -127.028 -146.624 -153.534 -127.390 -160.190 -111.059 -158.127 -157.877 -169.961 -178.879 163.423 -141.128	-.2380 -.2246 -.2291 -.2052 -.2741 -.2522 -.2176 -.2433 -1.781 -1.399 -.0357 -.2092 -.2801 -.3551 .2687	.0021 .0016 .0013 .0014 .0008 .0014 .0004 .0015 .0008 .0011 .0010 .0005 .0007 .0002 .0004	68.416 72.765 94.338 72.208 47.598 167 18.136 -8.523 14.781 14.247 17.891 62.228 -41.332 119.303 -65.049	.4509 .2395 .1930 .1675 .1521 .1545 .2103 .1848 .2127 .2507 .3737 .5411 .5337 .4985	.0056 .0031 .0028 .0028 .0029 .0026 .0012 .0067 .0031 .0037 .0035 .0032 .0031 .0016	67.459 55.569 61.727 61.590 37.286 12.821 41.297 -17.297 57.007 19.608 20.914 17.062 -7.781 -11.465
ETA = .871	.025 .084 .143 .202 .301 .354 .407 .460 .513 .566 .680 .742 .830 .910 .975 .990	-.5557 -.4392 -.3851 -.4039 -.2879 -.2887 -.2829 -.3375 -.3399 -.3340 -.2890 -.2858 -.1793 -.0406 .1159	.0125 .0088 .0088 .0070 .0078 .0096 .0095 .0129 .0147 .0129 .0278 .0353 .0277 .0035 .0033	-179.049 -174.417 -174.870 -176.032 -168.806 -169.452 -172.122 -168.005 -163.998 -162.531 -159.568 -161.373 -155.105 .702 -117.135	-.2357 -.2489 -.2453 -.2621 -.3255 -.2856 -.2893 -.2683 -.2142 -.1705 -.0425 -.1051 -.2872 -.3133 .2542	.0098 .0070 .0058 .0071 .0081 .0087 .0112 .0119 .0147 .0163 .0218 .0266 .0212 .0133 .0060	-7.553 2.066 2.711 -2.858 6.572 12.447 9.082 14.168 16.373 17.885 18.684 19.814 29.772 38.161 35.139	.3200 .1903 .1398 .1419 -.0276 .0831 -.0064 .0892 .1457 .2035 .3115 .3109 .4665 .3539	.0222 .0158 .0146 .0141 .0159 .0183 .0207 .0248 .0294 .0337 .0496 .0619 .0489 .0107	-2.785 4.025 4.169 .531 8.839 11.451 8.530 13.038 16.187 17.670 19.664 19.133 27.009 49.598
ETA = .972	.025 .092 .126 .160 .227 .294 .362 .430 .497 .565 .632 .700 .767 .835 .902 .973 .990	-.5138 -.3833 -.4001 -.3352 -.2375 -.2446 -.2885 -.2944 -.2998 -.1987 -.1989 -.1339 -.0897 -.0474 .0454	.0115 .0071 .0069 .0096 .0067 .0064 .0073 .0075 .0078 .0076 .0060 .0062 .0060 .0046 .0023	-167.082 -162.254 -159.427 -165.711 -163.396 -159.515 -159.457 -170.570 -160.086 -162.123 -162.853 -158.502 -162.764 -164.148 -171.603	-.3104 -.2376 -.2569 -.2587 -.2316 -.1973 -.2456 -.1946 -1.129 -.0208 1.004 -.2254 -.2958 -.3457 .2229	.0110 .0073 .0061 .0054 .0049 .0065 .0063 .0059 .0058 .0050 .0036 .0023 .0020 .0032 .0032	12.073 4.106 .947 7.738 3.675 4.810 5.216 -2.059 9.744 10.302 13.937 69.290 148.343 158.459 177.538	.2035 .1457 .0565 .0259 .0473 .0129 .0598 .0869 .1779 .2993 .3593 .3854 .3931	.0225 .0143 .0110 .0115 .0128 .0135 .0133 .0135 .0126 .0096 .0079 .0049 .0028	12.505 10.831 11.073 11.147 12.586 13.446 14.374 15.579 14.872 15.943 33.903 35.066 59.215
ETA = .875	.084 .143 .202 .301 .407 .513 .680 .830	-.3841 -.2997 -.3426 -.2340 -.2120	.0071 .0066 .0101 .0236 .0239	-172.832 -174.486 -176.265 -172.250 -160.905						
ETA = .981	.160				-.2639	.0048	5.277			

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367

POINT NUMBER 586

MACH = .600
 Q = 202.890 PSF
 DELTA (MEAN) = -.127 DEG
 RN = 5.004*10E6
 GAMMA = 1.133
 DELTA (AMPL) = 2.046 DEG

H = 1217.325 PSF
 P = 995.350 PSF
 OSCILLATION FREQUENCY = 20.205 HZ
 ALPHA = -.025 DEG
 CPSTAR = -1.439
 K = .778

ANALYZED VALUES : DELTA (MEAN) = .031 DEG DELTA (AMPL) = 2.026 DEG OSCILLATION FREQUENCY = 20.182 HZ K = .777

	X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-.6875	.0089	-120.891	-.2382	.0063	33.757	.4493	.0148	48.636
	.087	-.4613	.0043	-133.580	-.2240	.0034	21.383	.2373	.0075	35.388
	.148	-.4195	.0029	-130.945	-.2277	.0037	30.442	.1918	.0065	38.610
	.209	-.3711	.0018	-138.153	-.2040	.0026	35.237	.1671	.0044	37.940
	.294	-.4241	.0023	-160.750	-.2730	.0034	31.594	.1511	.0057	26.618
	.350	-.4045	.0016	-134.939	-.2506	.0030	29.966	.1539	.0046	35.204
	.407	-.4265	.0023	-154.059	-.2169	.0034	18.526	.2096	.0057	21.517
	.463	-.4257	.0043	166.474	-.2415	.0040	12.658	.1842	.0081	21.916
	.519	-.3895	.0025	-124.043	-.1762	.0043	10.107	.2133	.0061	20.046
	.579	-.3885	.0030	-177.886	-.1385	.0034	-4.102	.2501	.0064	7.866
	.659	-.3355	.0029	-173.899	.0375	.0038	7.706	.3730	.0067	15.011
	.739	-.3305	.0030	-169.467	.2110	.0029	20.282	.5415	.0069	15.325
	.819	-.2519	.0024	-164.726	.2807	.0030	20.784	.5326	.0054	18.353
	.899	-.1419	.0013	-157.870	.3573	.0032	26.042	.4992	.0045	24.912
	.974				.2704	.0011	47.301			
	.990	.0861	.0008	139.530						
ETA = .871	.025	-.5551	.0221	-178.806	-.2366	.0211	5.227	.3185	.0432	3.164
	.084	-.4377	.0154	-172.779	-.2485	.0155	6.299	.1892	.0379	6.759
	.143	-.3844	.0136	-174.756	-.2463	.0143	5.188	.1380	.0270	9.215
	.202	-.4038	.0134	-174.769	-.2621	.0162	2.915	.1417	.0299	3.965
	.301	-.2983	.0146	-172.976	-.3254	.0187	7.303	-.0271	.0336	7.181
	.354	-.3669	.0187	-172.468	-.2866	.0202	9.184	.0803	.0333	8.390
	.407	-.2813	.0186	-176.935	-.2898	.0250	9.108	-.0085	.0435	6.530
	.460	-.3557	.0243	-169.476	-.2687	.0259	11.380	.0870	.0335	10.966
	.513	-.3575	.0286	-168.082	-.2150	.0313	13.217	.1425	.0502	12.597
	.566	-.3716	.0345	-166.904	-.1712	.0337	17.243	.2004	.0599	15.145
	.680	-.2660	.0558	-163.314	.0417	.0461	16.218	.3077	.0682	16.474
	.742	-.2019	.0696	-163.729	.1037	.0545	18.300	.3056	.1019	17.162
	.830	-.1759	.0554	-159.737	.2866	.0420	29.349	.4625	.0971	24.180
	.910	-.0416	.0038	14.226	.3129	.0268	36.576	.3546	.0233	40.128
	.975				.2544	.0147	38.602			
	.990	.1168	.0035	-142.604						
ETA = .972	.025	-.5133	.0298	-176.231	-.3112	.0285	8.895	.2021	.0582	6.275
	.092	-.3829	.0154	-172.604	-.2383	.0171	8.531	.1446	.0325	8.003
	.126				-.2569	.0129	3.907			
	.160	-.4001	.0131	-168.817	-.2592	.0123	6.312	.0551	.0234	6.337
	.227	-.3143	.0111	-173.634	-.2314	.0111	11.590	.0256	.0231	10.926
	.294	-.2571	.0120	-169.688	-.1974	.0138	10.204	.0469	.0259	9.943
	.362	-.2443	.0121	-170.355	-.2464	.0148	10.616	.0107	.0282	10.586
	.430	-.2571	.0134	-169.488	-.1951	.0150	8.017	.0576	.0295	9.802
	.497	-.2527	.0145	-168.350	-.0219	.0144	17.152	.0842	.0310	15.288
	.565	-.1981	.0166	-166.328	.1002	.0088	18.905	.1753	.0266	16.273
	.632	-.1972	.0147	-165.857	.2257	.0119	28.903	.2977	.0221	20.343
	.700	-.1975	.0135	-165.224	.2955	.0040	54.258	.3585	.0155	25.161
	.767	-.1328	.0122	-164.014	.3470	.0023	116.898	.3841	.0113	26.115
	.835	-.0886	.0118	-170.123	.2234	.0035	149.327	.3930	.0067	38.862
	.902	-.0460	.0102	-172.709			152.265			
	.973									
	.990	.0449	.0043	152.967						
ETA = .875	.084	-.3839	.0129	178.096						
	.143	-.2995	.0122	178.973						
	.202									
	.301	-.3430	.0191	179.881						
	.407									
	.513	-.2330	.0454	-173.846						
	.680	-.2071	.0463	-165.470						
	.830									
ETA = .981	.160				-.2646	.0105	2.777			

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367									
POINT NUMBER 587	MACH = .603	RN = 5.023*10E6	H = 1219.100 PSF	ALPHA = -.023 DEG					
	Q = 204.684 PSF	GAMMA = 1.133	P = 994.975 PSF	CPSTAR = -1.419					
	DELTA (MEAN) = -.232 DEG	DELTA (AMPL) = 2.993 DEG	OSCILLATION FREQUENCY = 20.134 HZ	K = .771					
ANALYZED VALUES :	DELTA (MEAN) = -.061 DEG	DELTA (AMPL) = 2.948 DEG	OSCILLATION FREQUENCY = 20.182 HZ	K = .773					
X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-.6878	.0104	-124.083	-.2374	.0078	40.227	-.4503	.0180
	.087	-.4623	.0050	-135.250	-.2239	.0044	34.564	-.2385	.0094
	.148	-.4202	.0041	-129.331	-.2279	.0031	48.763	-.1923	.0072
	.209	-.3723	.0042	-140.363	-.2036	.0036	40.748	-.1687	.0078
	.294	-.4241	.0038	-154.980	-.2726	.0036	40.334	-.1515	.0073
	.350	-.4050	.0032	-160.308	-.2505	.0037	34.397	-.1544	.0068
	.407	-.4257	.0044	-164.168	-.2159	.0039	32.348	-.2099	.0082
	.463	-.4261	.0069	-170.632	-.2418	.0055	20.015	-.1843	.0120
	.519	-.3901	.0040	-132.963	-.1762	.0046	21.171	-.2138	.0084
	.579	-.3887	.0056	-174.739	-.1380	.0057	14.853	-.2507	.0113
	.659	-.3358	.0050	-176.426	.0374	.0048	12.648	-.3731	.0098
	.739	-.3300	.0047	-168.801	.2112	.0042	15.210	-.5412	.0087
	.819	-.2522	.0033	-172.250	.2812	.0042	13.515	-.5334	.0074
	.899	-.1420	.0009	156.569	.3572	.0034	20.644	-.4992	.0041
	.974				.2707	.0010	41.425		
	.990	.0856	.0007	-84.870					
ETA = .871	.025	-.5551	.0309	178.624	-.2344	.0294	5.159	-.3207	.0602
	.084	-.4399	.0228	-174.388	-.2487	.0212	8.364	-.1911	.0440
	.143	-.3848	.0198	-176.113	-.2461	.0191	9.992	-.1387	.0388
	.202	-.4044	.0217	-178.559	-.2666	.0229	6.454	-.1418	.0446
	.301	-.2963	.0226	-172.664	-.3285	.0275	7.446	-.0302	.0501
	.354	-.3666	.0290	-173.814	-.2880	.0312	9.562	-.0787	.0602
	.407	-.2802	.0264	-179.136	-.2922	.0351	7.691	-.0120	.0614
	.460	-.3544	.0375	-173.281	-.2708	.0386	10.413	-.0836	.0761
	.513	-.3565	.0419	-170.485	-.2173	.0438	12.179	-.1392	.0857
	.566	-.3706	.0483	-167.857	-.1725	.0492	16.569	-.1982	.0974
	.680	-.2637	.0794	-163.832	-.0382	.0654	17.311	-.3029	.1448
	.742	-.2000	.1019	-164.028	-.1009	.0809	18.767	-.3009	.1827
	.830	-.1730	.0800	-159.631	-.2835	.0626	30.610	-.4565	.1420
	.910	-.0399	.0075	169.397	.3107	.0424	38.133	.3507	.0477
	.975				.2523	.0223	39.471		
	.990	.1151	.0054	-140.670					
ETA = .972	.025	-.5128	.0431	-171.339	-.3140	.0408	11.015	-.1989	.0839
	.092	-.3824	.0232	-172.496	-.2397	.0239	10.286	.1427	.0471
	.126				-.2585	.0195	4.512		
	.160	-.4004	.0212	-172.626					
	.227	-.3145	.0175	-176.735	-.2609	.0177	6.475	-.0536	.0352
	.294	-.2569	.0176	-171.997	-.2334	.0162	6.969	-.0235	.0338
	.362	-.2443	.0172	-177.966	-.1985	.0183	14.471	-.0458	.0353
	.430	-.2574	.0198	-173.710	-.2479	.0196	13.292	-.0095	.0393
	.497	-.2529	.0204	-175.695	-.1968	.0201	10.865	-.0561	.0404
	.565	-.1985	.0237	-165.445	-.1155	.0196	20.112	-.0830	.0432
	.632	-.1972	.0225	-165.522	-.0239	.0180	23.852	-.1733	.0404
	.700	-.1970	.0220	-167.730	-.0979	.0136	29.260	-.2949	.0352
	.767	-.1327	.0207	-164.773	.2242	.0080	55.959	-.3569	.0273
	.835	-.0881	.0180	-170.276	.2952	.0057	102.611	-.3833	.0186
	.902	-.0456	.0150	-174.694	.3459	.0083	141.244	.3915	.0107
	.973				.2224	.0045	150.914		
	.990	.0453	.0056	151.811					
ETA = .875	.084	-.3856	.0192	174.879					
	.143	-.2994	.0167	176.410					
	.202								
	.301	-.3439	.0279	178.582					
	.407								
	.513	-.2317	.0685	-174.157					
	.680	-.2038	.0683	-164.199					
	.830								
ETA = .981	.160				-.2654	.0150	8.811		

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367

POINT NUMBER 590

MACH = .600
 $Q = 203.102 \text{ PSF}$
 DELTA (MEAN) = -.004 DEG

RN = 5.023×10^6
 $\text{GAMMA} = 1.134$
 DELTA (AMPL) = 1.012 DEG

H = 1216.750 PSF
 $P = 994.500 \text{ PSF}$
 OSCILLATION FREQUENCY = 5.036 HZ

ALPHA = 2.008 DEG
 CPSTAR = -1.436
 K = .194

ANALYZED VALUES : DELTA (MEAN) = .184 DEG DELTA (AMPL) = .982 DEG OSCILLATION FREQUENCY = 5.040 HZ K = .194

	X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-1.3573	.0192	11.786	.0918	.0080	-166.036	1.4491	.0272	-167.574
	.087	-.7464	.0071	10.525	-.0338	.0042	-172.380	.7126	.0113	-170.555
	.148	-.6203	.0044	14.109	-.0771	.0042	-136.208	.5432	.0083	-151.402
	.209	-.5363	.0030	33.521	-.0852	.0039	-136.598	.4512	.0069	-140.893
	.294	-.5541	.0015	8.308	-.1699	.0033	-148.383	.3841	.0046	-160.589
	.350	-.5226	.0021	-16.626	-.1656	.0018	-147.792	.3570	.0036	-174.209
	.407	-.5269	.0013	-25.705	-.1420	.0014	-109.134	.3849	.0018	-155.040
	.463	-.5135	.0033	45.749	-.1808	.0018	-86.286	.3327	.0047	-117.723
	.519	-.4672	.0017	11.501	-.1254	.0023	-93.643	.3419	.0039	-81.508
	.579	-.4625	.0009	-13.402	-.0924	.0016	-76.931	.3671	.0024	-65.048
	.639	-.3971	.0017	-16.190	-.0620	.0006	-72.158	.4591	.0018	-11.371
	.699	-.3747	.0015	-16.153	-.2244	.0016	-49.617	.5991	.0026	-16.825
	.759	-.2840	.0020	16.763	-.2981	.0013	-68.088	.5821	.0030	-35.013
	.819	-.1555	.0009	122.425	-.2698	.0006	-111.722	.5253	.0013	-78.811
	.879				.2707	.0007	-93.632			
	.940	.0736	.0004	-32.019						
	.990									
ETA = .871	.025	-1.1173	.0181	41.822	.1051	.0086	-138.835	1.2224	.0267	-138.389
	.084	-.7031	.0060	55.980	-.0507	.0044	-113.398	.6524	.0104	-119.529
	.143	-.5843	.0042	69.865	-.0969	.0025	-97.312	.4873	.0067	-105.356
	.202	-.5598	.0028	104.449	-.1416	.0020	-79.008	.4182	.0048	-76.991
	.261	-.4137	.0030	169.067	-.2333	.0049	-15.262	.1804	.0079	-13.619
	.320	-.4137	.0030	174.590	-.2061	.0069	-5.091	.2576	.0123	-5.231
	.379	-.4344	.0039	168.922	-.2224	.0086	-14.523	.1481	.0145	-13.121
	.438	-.4344	.0039	179.218	-.2087	.0095	-4.130	.2256	.0186	-1.727
	.497	-.4299	.0105	176.979	-.1642	.0111	2.192	.2667	.0216	2.595
	.556	-.4299	.0105	177.969	-.1306	.0144	1.708	.2993	.0278	1.864
	.615	-.3115	.0134	172.479	-.0586	.0194	3.703	.3701	.0424	5.774
	.674	-.2016	.0104	176.180	-.1172	.0219	3.046	.3537	.0523	3.496
	.733	-.2016	.0104	171.038	-.2986	.0159	10.045	.5005	.0370	9.428
	.792	-.0442	.0028	13.700	-.2244	.0102	11.517	.3687	.0074	10.692
	.851				.2592	.0048	17.536			
	.910	.1058	.0025	-161.830						
	.970									
	.990									
ETA = .972	.025	-.9707	.0143	58.553	.0041	.0083	-107.397	.9748	.0224	-116.296
	.084	-.5748	.0043	74.335	-.0969	.0040	-88.669	.4779	.0082	-97.476
	.143				-.1432	.0032	-89.565			
	.202	-.5235	.0015	119.288						
	.261	-.3983	.0029	165.367	-.1947	.0034	-30.371	.2036	.0062	-23.130
	.320	-.3197	.0031	175.600	-.1889	.0051	-15.254	.1308	.0081	-7.846
	.379	-.3023	.0038	175.113	-.1657	.0049	-26.779	.1366	.0085	-17.234
	.438	-.3034	.0044	172.826	-.2201	.0044	-11.579	.0833	.0087	-2.202
	.497	-.2936	.0056	174.897	-.1806	.0056	-6.689	.1130	.0111	-.793
	.556	-.2374	.0069	175.154	-.1075	.0055	-1.383	.1299	.0124	2.083
	.615	-.2323	.0074	177.356	-.0224	.0050	-.594	.2099	.0124	1.817
	.674	-.2246	.0066	175.976	-.0877	.0032	-19.318	.3123	.0097	-9.004
	.733	-.1632	.0054	178.315	-.2152	.0005	-177.369	.7844	.0049	1.589
	.792	-.1185	.0062	176.487	-.2882	.0014	152.251	.4067	.0051	11.775
	.851	-.0713	.0049	172.258	-.3311	.0026	-173.418	.4024	.0025	-22.861
	.910				.2087	.0026	-174.822			
	.970	.0344	.0021	149.589						
	.990									
ETA = .875	.084	-.5817	.0046	64.277						
	.143	-.4524	.0030	89.647						
	.202									
	.261	-.4328	.0078	167.382						
	.320									
	.379	-.2715	.0232	-179.205						
	.438	-.2324	.0202	-171.608						
	.497									
	.556									
	.615									
	.674									
	.733									
	.792									
	.851									
	.910									
	.970									
	.990									
ETA = .981	.160				-.1851	.0030	-54.873			

Table 4. Continued

U N S T E A D Y P R E S S U R E S - TDT TEST 367

POINT NUMBER 592

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MACH = .604          RN = 5.036*10E6
Q = 205.611 PSF      GAMMA = 1.133
DELTA (MEAN) = -.202 DEG  DELTA (AMPL) = 3.014 DEG

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H = 1219.625 PSF ALPHA = 2.007 DEG
P = 994.375 PSF CPSTAR = -1.409
OSCILLATION FREQUENCY = 5.036 HZ K = .192

ANALYZED VALUES : DELTA (MEAN) = .072 DEG DELTA (AMPL) = 2.951 DEG OSCILLATION FREQUENCY = 5.040 HZ K = .193

[illegible]

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367												
POINT NUMBER 593	MACH = .605	Q = 206.543 PSF	DELTA (MEAN) = -.026 DEG	RN = 5.041*10E6	GAMMA = 1.133	DELTA (AMPL) = .995 DEG	H = 1221.300 PSF	P = 994.950 PSF	OSCILLATION FREQUENCY = 15.017 HZ	ALPHA = 2.008 DEG	CPSTAR = -1.400	K = .573
ANALYZED VALUES :	DELTA (MEAN) = .151 DEG	DELTA (AMPL) = .969 DEG	OSCILLATION FREQUENCY = 15.040 HZ	K = .573								
	X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE		
ETA = .707	.025	-1.3460	.0154	-138.359	.0962	.0033	43.080	1.4422	.0187	41.895		
	.087	-.7386	.0071	-130.082	-.0293	.0007	7.669	.7093	.0076	45.904		
	.148	-.6141	.0047	-130.283	-.0716	.0022	17.427	.5425	.0067	39.559		
	.209	-.5276	.0030	-129.734	-.0804	.0032	55.422	.4472	.0062	52.927		
	.294	-.5495	.0028	-166.070	-.1665	.0030	59.156	.3830	.0054	37.366		
	.350	-.5159	.0032	-131.757	-.1604	.0010	112.918	.3555	.0037	62.234		
	.407	-.5228	.0046	-130.416	-.1380	.0007	5.860	.3848	.0050	43.003		
	.463	-.5099	.0019	-179.223	-.1736	.0024	-20.914	.3362	.0042	-11.345		
	.519	-.4635	.0026	-82.245	-.1200	.0029	15.669	.3435	.0042	53.993		
	.575	-.4549	.0014	-165.853	-.0912	.0022	37.148	.3636	.0035	328.236		
	.639	-.3884	.0023	-148.354	-.0674	.0003	93.554	.4558	.0025	37.834		
	.709	-.3707	.0034	-146.454	-.2309	.0004	-51.184	.6017	.0035	26.935		
	.819	-.2776	.0024	-114.835	-.3005	.0015	-24.665	.5781	.0028	33.208		
	.899	-.1511	.0019	-50.466	-.741	.0025	20.218	.5252	.0026	63.991		
	.974				.2751	.0017	30.569					
	.990	.0795	.0002	-22.653								
ETA = .871	.025	-1.1118	.0249	-152.722	.1058	.0117	32.745	1.2175	.0366	29.025		
	.084	-.6974	.0128	-141.837	-.0498	.0087	21.609	.6476	.0213	31.475		
	.143	-.5791	.0090	-144.631	-.0969	.0065	20.969	.4822	.0154	39.336		
	.202	-.5548	.0087	-154.661	-.1385	.0087	22.978	.4163	.0174	34.158		
	.301	-.4068	.0095	-161.183	-.2287	.0092	25.453	.1781	.0187	22.082		
	.354	-.4600	.0112	-158.534	-.2037	.0088	21.479	.2563	.0200	21.471		
	.407	-.3658	.0106	-157.522	-.2186	.0105	3.203	.1472	.0208	12.886		
	.460	-.4282	.0110	-152.738	-.2072	.0129	11.148	.2210	.0237	18.560		
	.513	-.4245	.0134	-162.395	-.1625	.0137	16.147	.2621	.0271	16.868		
	.566	-.4263	.0153	-163.727	-.1282	.0141	18.992	.2881	.0294	17.577		
	.680	-.3066	.0263	-162.330	-.0630	.0187	17.684	.3696	.0450	17.676		
	.742	-.2326	.0322	-162.171	-.1200	.0217	14.380	.3826	.0539	16.441		
	.830	-.1973	.0239	-155.914	-.3010	.0177	21.154	.4883	.0416	32.838		
	.910	-.0404	.0032	24.077	-.3255	.0118	31.720	.3659	.0086	34.544		
	.975				.2598	.0056	40.517					
	.990	.1093	.0015	-158.631								
ETA = .972	.025	-.9675	.0271	-140.628	.0078	.0125	40.647	.9753	.0396	39.774		
	.092	-.5708	.0104	-134.296	-.0939	.0073	25.111	.4769	.0174	37.230		
	.126				-.1367	.0080	22.644					
	.160	-.5176	.0082	-136.873								
	.227	-.3932	.0068	-151.424	-.1906	.0060	31.640	.2027	.0128	30.012		
	.294	-.3164	.0072	-153.009	-.1850	.0047	36.035	.1314	.0119	30.561		
	.362	-.2966	.0086	-156.811	-.1624	.0043	12.875	.1342	.0129	19.755		
	.430	-.2994	.0083	-144.888	-.2179	.0059	.789	.0815	.0136	20.938		
	.497	-.2898	.0070	-155.806	-.1774	.0083	3.266	.1124	.0150	12.831		
	.565	-.2324	.0060	-157.855	-.1036	.0067	15.142	.1288	.0127	18.450		
	.632	-.2267	.0080	-170.742	-.0201	.0047	28.656	.2067	.0125	16.414		
	.700	-.2215	.0084	-164.630	-.0913	.0016	-7.017	.3128	.0099	11.840		
	.767	-.1583	.0083	-153.897	-.2186	.0007	-62.482	.3769	.0076	26.890		
	.835	-.1137	.0067	-150.817	-.2904	.0007	-115.820	.4041	.0061	26.391		
	.902	-.0666	.0042	-161.875	-.3367	.0027	-15.649	.4034	.0029	57.666		
	.973				.2121	.0037	150.252					
	.990	.0378	.0022	-176.998								
ETA = .875	.084	-.5792	.0090	-155.962								
	.143	-.4499	.0089	-153.362								
	.202											
	.301	-.4297	.0121	-165.864								
	.407											
	.513											
	.680	-.2720	.0227	-171.529								
	.830	-.2286	.0197	-164.977								
ETA = .981	.160				-.1820	.0038	31.637					

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367									
POINT NUMBER 598	MACH = .600	RN = 5.021*10E6	H = 1218.925 PSF	ALPHA = 2.017 DEG					
	Q = 203.435 PSF	GAMMA = 1.134	P = 996.325 PSF	CPSTAR = -1.436					
	DELTA (MEAN) = -.028 DEG	DELTA (AMPL) = .997 DEG	OSCILLATION FREQUENCY = 20.000 HZ	K = .770					
ANALYZED VALUES :	DELTA (MEAN) = .137 DEG	DELTA (AMPL) = .967 DEG	OSCILLATION FREQUENCY = 20.035 HZ	K = .771					
X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025 -1.3600	.0040	-86.373	.0971	.0018	92.636	1.4571	.0058	93.319
	.087 -.7464	.0025	-95.627	-.0297	.0016	22.618	.7167	.0035	60.973
	.148 -.6207	.0009	-55.986	-.0729	.0011	39.616	.5477	.0015	76.634
	.209 -.5343	.0008	-103.369	-.0815	.0014	21.417	.4527	.0020	40.907
	.294 -.5538	.0001	-94.514	-.1681	.0008	11.231	.3857	.0008	17.868
	.350 -.5201	.0009	113.082	-.1627	.0014	13.390	.3574	.0018	-16.371
	.407 -.5273	.0009	174.876	-.1394	.0019	52.683	.3879	.0025	34.934
	.463 -.5133	.0046	153.157	-.1758	.0014	27.499	.3375	.0055	-14.982
	.519 -.4677	.0010	-120.697	-.1221	.0008	-26.772	.3456	.0013	22.189
	.579 -.4603	.0007	-178.251	-.0937	.0019	-5.339	.3666	.0026	-3.432
	.659 -.3933	.0018	139.916	.0640	.0029	24.813	.4573	.0040	.828
	.739 -.3738	.0016	152.595	.2284	.0007	-1.564	.6022	.0023	-19.614
	.819 -.2813	.0024	179.678	.2986	.0011	11.332	.5799	.0035	3.334
	.899 -.1539	.0010	-148.260	.3719	.0007	6.426	.5258	.0017	21.352
	.974			.2723	.0021	18.555			
	.990 .0758	.0009	90.706						
ETA = .871	.025 -1.1215	.0093	160.592	.1099	.0074	-3.448	1.2315	.0165	-12.342
	.084 -.7044	.0071	163.295	-.0480	.0058	13.171	.6564	.0125	-3.307
	.143 -.5846	.0068	165.584	-.0947	.0038	17.619	.4900	.0102	-3.043
	.202 -.5603	.0069	179.932	-.1387	.0060	5.965	.4215	.0129	2.738
	.301 -.4127	.0073	-164.885	-.2285	.0093	8.250	.1842	.0166	11.269
	.354 -.4639	.0086	179.551	-.2052	.0097	9.714	.2587	.0182	4.939
	.407 -.3677	.0089	177.557	-.2197	.0103	16.331	.1480	.0189	7.635
	.460 -.4315	.0122	-175.896	-.2078	.0104	12.442	.2237	.0225	7.941
	.513 -.4281	.0132	-168.227	-.1629	.0122	13.702	.2653	.0254	12.700
	.566 -.4297	.0150	-165.295	-.1292	.0144	22.188	.3005	.0293	18.370
	.680 -.3091	.0260	-163.080	.0608	.0208	19.504	.3699	.0468	18.069
	.742 -.2347	.0338	-161.276	.1183	.0246	22.320	.3530	.0584	20.239
	.830 -.1995	.0255	-157.223	.2995	.0211	32.324	.4990	.0464	27.099
	.910 -.0429	.0047	17.698	.3243	.0124	45.557	.3672	.0085	60.474
	.975			.2591	.0065	45.285			
	.990 .1074	.0030	-154.895						
ETA = .972	.025 -.9732	.0108	174.806	.0093	.0072	12.515	.9826	.0178	1.876
	.092 -.5729	.0067	171.900	-.0932	.0049	12.270	.4796	.0114	.488
	.126			-.1381	.0043	14.186			
	.160 -.5203	.0061	-175.385	-.1906	.0050	13.537	.2055	.0114	8.440
	.227 -.3961	.0064	-175.540	-.1856	.0056	21.609	.1327	.0114	15.673
	.294 -.3183	.0059	-169.960	-.1634	.0058	23.320	.1351	.0125	14.611
	.362 -.2985	.0068	-172.810	-.2182	.0060	19.408	.0823	.0133	14.593
	.430 -.3005	.0073	-169.364	-.1782	.0073	17.431	.1131	.0149	9.521
	.497 -.2914	.0077	-177.976	-.1042	.0054	24.566	.1303	.0122	11.000
	.565 -.2345	.0071	-179.276	-.0203	.0039	19.382	.2083	.0130	10.446
	.632 -.2286	.0092	-173.330	.0906	.0030	32.265	.3139	.0112	17.894
	.700 -.2233	.0083	-167.253	.2171	.0014	74.433	.3773	.0083	25.517
	.767 -.1601	.0075	-162.571	.2895	.0030	111.262	.4050	.0066	28.023
	.835 -.1155	.0069	-177.556	.3351	.0049	153.094	.4033	.0035	46.840
	.902 -.0682	.0068	-176.932	.2106	.0032	178.136			
	.973								
	.990 .0371	.0028	-163.290						
ETA = .875	.084								
	.143 -.5807	.0047	172.268						
	.202 -.4510	.0066	170.900						
	.301								
	.407 -.4308	.0096	-178.409						
	.513								
	.680 -.2703	.0234	-172.510						
	.830 -.2310	.0211	-165.372						
ETA = .981	.160								
				-.1823	.0035	.042			

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367										
POINT NUMBER 599	MACH = .601	RN = 5.014*10E6	H = 1220.575 PSF	ALPHA = 2.017 DEG						
	Q = 203.967 PSF	GAMMA = 1.133	P = 997.350 PSF	CPSTAR = -1.432						
	DELTA (MEAN) = -.120 DEG	DELTA (AMPL) = 2.034 DEG	OSCILLATION FREQUENCY = 20.000 HZ	K = .768						
ANALYZED VALUES :	DELTA (MEAN) = .047 DEG	DELTA (AMPL) = 2.004 DEG	OSCILLATION FREQUENCY = 20.015 HZ	K = .769						
	X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-1.3499	.0100	-119.206	.0983	.0046	64.413	1.4482	.0146	61.934
	.087	-.7436	.0040	-145.653	-.0280	.0036	59.722	.7156	.0074	46.356
	.148	-.6189	.0020	-146.599	-.0708	.0028	58.407	.5480	.0047	46.021
	.209	-.5306	.0024	-171.861	-.0800	.0023	40.474	.4506	.0045	43.953
	.294	-.5505	.0024	-174.992	-.1674	.0023	62.898	.3831	.0041	33.279
	.350	-.5185	.0028	-151.909	-.1595	.0025	1.608	.3590	.0052	35.255
	.407	-.5245	.0025	-171.373	-.1386	.0016	31.111	.3859	.0040	17.370
	.463	-.5112	.0070	156.698	-.1740	.0021	27.317	.3371	.0085	-12.378
	.519	-.4660	.0027	-179.059	-.1202	.0023	45.277	.3458	.0057	21.242
	.579	-.4571	.0033	159.528	-.0923	.0030	27.852	.3648	.0057	21.466
	.659	-.3897	.0037	152.274	.0643	.0029	34.388	.4540	.0057	-1.877
	.739	-.3721	.0033	-169.805	.2287	.0031	35.788	.6007	.0062	22.570
	.819	-.2800	.0041	169.036	.2983	.0017	17.193	.5783	.0057	-2.810
	.899	-.1539	.0020	-149.870	.3712	.0025	52.316	.5783	.0044	42.471
	.974				.2714	.0007	28.880			
	.990	.0760	.0018	132.758						
ETA = .871	.025	-1.1184	.0261	172.280	.1090	.0143	8.632	1.2274	.0400	-1.947
	.084	-.7029	.0150	176.090	-.0473	.0114	8.048	.6556	.0263	1.251
	.143	-.5820	.0149	-179.187	-.0960	.0105	11.233	.4859	.0253	5.120
	.202	-.5573	.0153	176.138	-.1390	.0145	4.698	.4183	.0297	.303
	.301	-.4096	.0171	-174.206	-.2269	.0175	8.007	.1827	.0346	6.913
	.354	-.4623	.0185	-176.697	-.2036	.0170	8.383	.2587	.0355	5.831
	.407	-.3639	.0180	-177.099	-.2198	.0207	13.314	.1441	.0385	8.472
	.460	-.4279	.0245	-171.826	-.2080	.0238	12.479	.2199	.0483	10.295
	.513	-.4245	.0286	-166.899	-.2030	.0273	15.480	.2615	.0559	14.263
	.566	-.4267	.0344	-167.065	-.1599	.0310	17.611	.2968	.0653	15.152
	.680	-.3049	.0559	-162.610	.0584	.0424	17.455	.3634	.0983	17.418
	.742	-.2319	.0704	-162.779	.1159	.0516	18.931	.3479	.1220	17.367
	.830	-.1972	.0516	-159.207	.2970	.0407	31.166	.4942	.0919	25.365
	.910	-.0440	.0043	8.644	.3205	.0256	39.796	.3645	.0220	45.591
	.975				.2556	.0128	41.745			
	.990	.1068	.0052	-145.740						
ETA = .972	.025	-.9723	.0310	-178.335	.0106	.0170	8.814	.9829	.0479	4.195
	.092	-.5714	.0151	-177.628	-.0892	.0125	12.011	.4822	.0275	6.737
	.126				-.1367	.0107	7.378			
	.160	-.5176	.0140	-177.031	-.1907	.0107	8.153	.2022	.0251	8.041
	.227	-.3392	.0144	-172.043	-.1843	.0113	11.087	.1329	.0241	7.972
	.294	-.3372	.0128	-174.778	-.1624	.0116	16.435	.1348	.0253	11.851
	.362	-.2972	.0138	-172.001	-.2201	.0128	16.834	.0789	.0263	12.425
	.430	-.2900	.0136	-171.725	-.1785	.0128	11.419	.1122	.0276	10.286
	.497	-.2307	.0148	-170.693	-.1049	.0112	16.258	.1279	.0269	12.914
	.565	-.2328	.0157	-169.470	-.0221	.0095	27.838	.2044	.0262	16.251
	.632	-.2266	.0170	-170.193	.0888	.0070	38.721	.3110	.0224	17.990
	.700	-.2221	.0160	-170.919	.2155	.0045	82.182	.3750	.0187	24.165
	.767	-.1595	.0168	-168.967	.2886	.0039	124.407	.4036	.0143	21.054
	.835	-.1150	.0157	-172.932	.3341	.0069	154.997	.4012	.0070	35.748
	.902	-.0671	.0120	-174.364	.2100	.0058	170.194			
	.973									
	.990	.0355	.0056	172.040						
ETA = .875	.084	-.5792	.0133	171.496						
	.143	-.4500	.0137	170.798						
	.202									
	.301	-.4293	.0212	177.633						
	.407									
	.513	-.2714	.0477	-174.346						
	.680	-.2257	.0442	-164.373						
	.830									
ETA = .981	.160				-.1820	.0084	9.294			

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367										
POINT NUMBER 600	MACH = .604	RN = 5.033*10E6	H = 1222.250 PSF	ALPHA = 2.016 DEG						
	Q = 205.845 PSF	GAMMA = 1.133	P = 996.775 PSF	CPSTAR = -1.411						
	DELTA (MEAN) = -.219 DEG	DELTA (AMPL) = 3.003 DEG	OSCILLATION FREQUENCY = 20.000 HZ	K = .764						
ANALYZED VALUES :	DELTA (MEAN) = -.052 DEG	DELTA (AMPL) = 2.943 DEG	OSCILLATION FREQUENCY = 20.035 HZ	K = .766						
X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE	
ETA = .707	.025	-1.3558	.0172	-125.547	.0974	.0065	36.595	1.4532	.0235	49.582
	.087	-.7436	.0060	-121.295	-.0281	.0048	32.609	.7155	.0105	47.132
	.148	-.6181	.0038	-121.384	-.0717	.0056	26.168	.5464	.0090	39.203
	.209	-.5308	.0018	-164.064	-.0795	.0042	37.961	.4513	.0059	31.399
	.294	-.5527	.0033	-167.862	-.1672	.0053	27.256	.3855	.0085	21.465
	.350	-.5193	.0033	169.611	-.1608	.0048	30.045	.3585	.0076	13.729
	.407	-.5265	.0035	175.426	-.1386	.0040	33.595	.3387	.0071	15.832
	.463	-.5128	.0069	150.678	-.1747	.0044	17.300	.3381	.0104	-11.456
	.519	-.4670	.0039	-173.671	-.1197	.0043	24.746	.3447	.0081	-15.990
	.579	-.4574	.0067	-170.067	-.0916	.0037	20.929	.3658	.0104	-13.840
	.659	-.3900	.0060	176.360	.0670	.0037	17.338	.4457	.0095	-13.335
	.739	-.3722	.0059	179.823	.2306	.0035	15.864	.4502	.0093	-12.783
	.819	-.2795	.0050	-164.010	.2006	.0035	22.508	.5800	.0082	-18.533
	.899	-.1529	.0026	-154.959	.2751	.0035	22.242	.5281	.0051	-25.629
	.974				.2747		-19.963			
	.990	.0784	.0012	-129.481	.0021					
ETA = .871	.025	-1.1224	.0401	175.840	.1091	.0252	2.842	1.2315	.0652	-1.459
	.084	-.7029	.0233	-176.691	-.0494	.0203	5.738	.6535	.0433	-3.446
	.143	-.5821	.0212	-176.691	-.0963	.0167	4.488	.4859	.0339	-2.394
	.202	-.5582	.0209	-177.033	-.1387	.0213	1.692	.4195	.0222	-7.641
	.301	-.4086	.0257	-175.693	-.2287	.0278	1.799	.1799	.0050	-1.159
	.354	-.4610	.0277	-175.693	-.2287	.0281	12.972	.2547	.0059	8.581
	.407	-.3633	.0263	-179.605	-.2207	.0327	11.043	.1426	.0058	6.298
	.460	-.4274	.0369	-173.409	-.2088	.0367	13.548	.2186	.0072	10.060
	.513	-.4233	.0444	-168.598	-.1648	.0412	13.320	.2091	.0083	13.288
	.566	-.4254	.0509	-167.167	-.1315	.0464	17.320	.2940	.0097	14.973
	.680	-.3019	.0830	-163.684	.0592	.0624	17.040	.3611	.0145	16.627
	.742	-.2276	.1036	-163.684	.1159	.0777	18.023	.3435	.0181	17.064
	.830	-.1922	.0785	-157.982	.2969	.0596	29.255	.4891	.0338	25.141
	.910	-.0403	.0048	177.213	.3231	.0369	37.699	.3634	.0407	33.304
	.975				.2578	.0196	36.193			
	.990	.1085	.0083	-142.944						
ETA = .972	.025	-.9692	.0492	-173.134	.0073	.0310	11.954	.9765	.0801	8.832
	.092	-.5704	.0230	-172.607	-.0929	.0201	10.333	.4775	.0431	8.764
	.126				-.1382	.0181	5.890			
	.160	-.5181	.0201	-171.983						
	.227	-.3933	.0191	-175.985	-.1921	.0181	11.276	.2012	.0371	7.548
	.294	-.3160	.0179	-169.607	-.1857	.0187	13.458	.1303	.0366	11.959
	.362	-.2950	.0194	-173.245	-.1638	.0176	18.534	.1312	.0368	12.357
	.430	-.2992	.0215	-172.806	-.2207	.0194	15.940	.0785	.0408	11.342
	.497	-.2901	.0240	-175.842	-.1784	.0185	13.062	.1117	.0424	8.033
	.565	-.2310	.0249	-169.525	-.1050	.0176	21.528	.1261	.0423	15.049
	.632	-.2249	.0265	-172.407	-.0213	.0138	27.628	.2036	.0397	14.425
	.700	-.2206	.0250	-171.250	.0908	.0097	33.212	.3114	.0341	15.522
	.767	-.1565	.0255	-168.348	.2179	.0049	82.842	.3744	.0275	21.371
	.835	-.1120	.0236	-168.829	.2907	.0061	137.046	.4027	.0206	25.036
	.902	-.0651	.0183	-171.229	.3382	.0105	160.826	.4033	.0103	37.373
	.973				.2132	.0082	173.132			
	.990	.0383	.0062	174.946						
ETA = .875	.084	-.5797	.0196	176.541						
	.143	-.4514	.0197	174.562						
	.202									
	.301	-.4302	.0305	179.771						
	.407									
	.513	-.2699	.0677	-174.309						
	.680	-.2194	.0660	-164.424						
	.830									
ETA = .981	.160				-.1831	.0145	-2.740			

Table 4. Continued

UNSTEADY PRESSURES -						TDT TEST 367				
POINT NUMBER 808		MACH = .847 Q = 100.348 PSF		RN = 1.821*10E6 GAMMA = 1.132		H = 367.375 PSF P = 247.225 PSF		ALPHA = -.001 DEG CPSTAR = -.347		
		DELTA (MEAN) = -.049 DEG		DELTA (AMPL) = 1.022 DEG		OSCILLATION FREQUENCY = 5.063 HZ		K = .139		
ANALYZED VALUES :		DELTA (MEAN) = .183 DEG		DELTA (AMPL) = 1.000 DEG		OSCILLATION FREQUENCY = 5.056 HZ		K = .138		
	X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-.7165	.0063	-28.800	-.3208	.0077	-177.351	.3956	.0135	168.537
	.087	-.5647	.0041	16.240	-.4074	.0066	-170.969	.1573	.0107	-168.208
	.148	-.6833	.0048	3.159	-.4210	.0037	-161.696	.2623	.0084	-170.254
	.209	-.5865	.0039	2.848	-.3636	.0034	-175.826	.2229	.0073	-176.534
	.294	-.6812	.0019	15.971	-.4555	.0028	-122.672	.2657	.0044	-139.217
	.350	-.7000	.0028	11.072	-.4064	.0026	-114.686	.2935	.0048	-142.894
	.407	-.7427	.0030	20.633	-.3985	.0033	-71.702	.3442	.0045	-112.917
	.463	-.7625	.0094	32.497	-.3919	.0017	-109.498	.3706	.0108	-141.936
	.519	-.7779	.0020	11.672	-.3311	.0008	-51.329	.4468	.0018	-144.795
	.579	-.8409	.0032	-9.167	-.1679	.0036	16.702	.6729	.0016	79.401
	.639	-.8133	.0007	96.659	-.0534	.0005	98.155	.8667	.0002	-87.073
	.739	-.7877	.0007	164.757	-.2250	.0011	-27.260	1.0126	.0013	-59.143
	.819	-.3187	.0094	137.904	.3708	.0011	-100.524	.6895	.0197	-25.240
	.899	-.0729	.0042	-178.853	.4449	.0014	-69.213	.5178	.0049	-14.618
	.974				.3271	.0007	-124.830			
	.990	.1109	.0015	129.086						
ETA = .871	.025	-.5755	.0096	-8.710	-.2723	.0090	-166.913	.3032	.0183	-178.167
	.084	-.6602	.0095	3.653	-.3770	.0070	-150.277	.2833	.0161	-165.321
	.143	-.6141	.0134	17.828	-.3899	.0025	-134.523	.2242	.0153	-172.463
	.202	-.6268	.0077	21.996	-.3905	.0034	-68.299	.2363	.0082	-137.749
	.301	-.7098	.0030	46.573	-.4507	.0071	-12.583	.2591	.0049	-32.774
	.354	-.7117	.0039	19.697	-.3911	.0077	-10.445	.3250	.0065	-40.841
	.407	-.7117	.0040	35.741	-.3912	.0112	-10.067	.3205	.0080	-24.479
	.460	-.7801	.0036	33.531	-.3970	.0146	-2.769	.3832	.0120	-13.539
	.513	-.8034	.0045	147.425	-.3261	.0196	1.770	.4774	.0160	-6.770
	.566	-.8408	.0045	174.013	-.2438	.0262	11.182	.5970	.0296	5.149
	.680	-.6179	.1343	-179.175	.0536	.0235	7.139	.6715	.1573	-4.042
	.742	-.2228	.1212	-158.510	.1499	.0283	9.249	.3728	.1493	2.417
	.830	-.1202	.0156	165.835	.3629	.0163	1.561	.4830	.0314	11.305
	.910	-.0370	.0049		.4257	.0111	2.282	.4627	.0159	-2.736
	.975				.3332	.0046	-20.201			
	.990	.1525	.0030	173.628						
ETA = .972	.025	-.6555	.0118	19.771	-.3516	.0095	-140.769	.3039	.0210	-151.560
	.092	-.6429	.0084	34.452	-.3944	.0060	-99.604	.2485	.0133	-126.617
	.126				-.4874	.0048	-67.368			
	.160	-.7930	.0062	20.643	-.5255	.0096	-18.708	.2956	.0067	-57.805
	.227	-.8210	.0061	25.166	-.4439	.0123	6.483	.3387	.0188	-9.022
	.294	-.7825	.0077	145.698	-.3149	.0136	11.428	.3659	.0235	-9.912
	.362	-.6808	.0119	145.513	-.3096	.0051	-13.516	-.0018	.0499	-3.627
	.430	-.3077	.0449	177.491	-.2712	.0082	-4.310	.0169	.0237	3.775
	.497	-.2882	.0156	-171.986	-.1664	.0086	-1.320	.1023	.0222	12.443
	.565	-.2687	.0140	-159.154	-.0216	.0074	7.881	.2596	.0203	15.012
	.632	-.2812	.0130	-160.936	.1131	.0043	9.447	.3794	.0158	15.234
	.700	-.2663	.0115	-162.605	.2506	.0020	94.483	.4462	.0090	19.611
	.767	-.1956	.0087	-173.211	.3312	.0018	-151.751	.4712	.0054	-3.195
	.835	-.1400	.0070	-175.486	.3585	.0045	-173.485	.4381	.0019	1.935
	.902	-.0796	.0064	-174.846	.2182	.0038	-178.137			
	.973									
	.990	.0570	.0019	176.119						
ETA = .875	.084	-.6723	.0118	13.507						
	.143	-.5923	.0080	12.795						
	.202									
	.301	-.7829	.0045	35.603						
	.407									
	.513	-.6741	.1082	173.508						
	.680	-.1004	.0133	-137.822						
	.830									
ETA = .981	.160				-.5340	.0040	-41.245			

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367									
POINT NUMBER 809		MACH = .850		RN = 1.824*10E6		H = 367.675 PSF		ALPHA = -.001 DEG	
		Q = 100.896 PSF		GAMMA = 1.132		P = 246.700 PSF		CPSTAR = -.339	
		DELTA (MEAN) = -.277 DEG		DELTA (AMPL) = 1.967 DEG		OSCILLATION FREQUENCY = 5.038 HZ		K = .137	
ANALYZED VALUES :		DELTA (MEAN) = .133 DEG		DELTA (AMPL) = 1.966 DEG		OSCILLATION FREQUENCY = 5.056 HZ		K = .138	
X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-.7196	.0117	-6.028	-.3137	.0155	-172.343	.4059	.0270
	.087	-.5858	.0086	3.116	-.3993	.0112	-164.315	.1665	.0197
	.148	-.6826	.0105	5.003	-.4107	.0096	-160.535	.2719	.0199
	.209	-.5888	.0086	3.582	-.3551	.0077	-160.510	.2337	.0161
	.294	-.6808	.0063	10.818	-.4062	.0051	-165.524	.2746	.0114
	.350	-.6977	.0063	-4.715	-.3986	.0047	-135.340	.2991	.0100
	.407	-.7388	.0083	15.641	-.3898	.0030	-105.064	.3490	.0102
	.463	-.7554	.0143	31.357	-.3838	.0031	-84.154	.3716	.0159
	.519	-.7699	.0040	11.829	-.3237	.0041	-28.836	.4462	.0028
	.579	-.8326	.0061	6.068	-.1641	.0088	-7.552	.6685	.0029
	.659	-.8021	.0019	6.551	.0562	.0025	-25.088	.8583	.0013
	.739	-.7771	.0024	46.740	.2269	.0016	-54.018	1.0041	.0031
	.819	-.2812	.0367	152.986	.3731	.0009	-57.755	.6543	.0375
	.899	-.0756	.0054	178.928	.4451	.0009	-96.833	.5207	.0054
	.974				.3280	.0004	-36.880		-10.645
	.990	.1135	.0023	-162.591					
ETA = .871	.025	-.5811	.0229	1.398	-.2602	.0192	-166.160	.3208	.0419
	.084	-.6615	.0219	4.627	-.3643	.0132	-152.394	.2972	.0344
	.143	-.6207	.0255	6.528	-.3792	.0071	-140.342	.2414	.0317
	.202	-.6296	.0126	18.526	-.3805	.0049	-80.556	.2490	.0142
	.301	-.7087	.0050	40.683	-.4409	.0121	-21.750	.2678	.0107
	.354	-.7141	.0068	31.285	-.3817	.0160	-14.566	.3324	.0123
	.407	-.7046	.0095	31.285	-.3817	.0209	-9.571	.3229	.0151
	.460	-.7763	.0099	37.929	-.3862	.0345	-3.862	.3901	.0279
	.513	-.7768	.0109	34.906	-.3180	.0392	2.718	.4789	.0205
	.566	-.8224	.0185	164.113	-.2406	.0496	2.718	.5818	.0667
	.620	-.8224	.2726	174.741	.0550	.0434	10.424	.5783	.3153
	.680	-.8224	.1822	174.741	.1496	.0542	5.924	.3674	.272
	.742	-.2178	.0326	-154.935	.3623	.0221	4.229	.4867	.0648
	.830	-.1245	.0163	174.254	.4248	.0221	6.101	.4610	.0382
	.910				.3315	.0102	7.540		1.075
	.975								
	.990	.1528	.0053	-177.748					
ETA = .972	.025	-.6621	.0249	23.048	-.3419	.0184	-141.360	.3202	.0429
	.092	-.6463	.0169	26.831	-.3873	.0084	-111.125	.2590	.0238
	.126				-.4740	.0089	-79.926		-150.333
	.160	-.7923	.0125	26.288					-139.504
	.227	-.8192	.0110	40.604	-.5094	.0179	-18.982	.3099	.0156
	.294	-.7611	.0214	160.342	-.4313	.0225	-5.369	.3298	.0436
	.362	-.6303	.0618	161.683	-.3133	.0161	28.974	.3170	.0737
	.430	-.2850	.0557	171.349	-.3058	.0165	-1.365	.0208	.0721
	.497	-.2928	.0264	-173.031	-.2673	.0179	1.034	.0255	.0442
	.565	-.2698	.0242	-166.536	-.1651	.0166	5.695	.1047	.0407
	.632	-.2810	.0259	-165.663	-.0207	.0126	9.647	.2603	.0385
	.700	-.2643	.0215	-166.116	.1133	.0059	7.862	.3776	.0274
	.767	-.1948	.0191	-167.542	.2510	.0009	-9.454	.4457	.0199
	.835	-.1382	.0170	-168.065	.3318	.0023	-157.462	.4700	.0147
	.902	-.0775	.0151	-172.667	.3584	.0071	-166.483	.4359	.0081
	.973				.2178	.0063	176.736		1.899
	.990	.0592	.0032	158.629					
ETA = .875	.084	-.6793	.0223	8.087					
	.143	-.5938	.0143	12.487					
	.202								
	.301	-.7795	.0095	28.058					
	.407								
	.513	-.5730	.2621	172.604					
	.680	-.1053	.0262	-145.176					
	.830								
ETA = .981	.160				-.5202	.0094	-35.533		

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367

POINT NUMBER 810

MACH = .848
 Q = 100.559 PSF
 DELTA (MEAN) = -.359 DEG

RN = 1.823*10E6
 GAMMA = 1.132
 DELTA (AMPL) = 3.004 DEG

H = 367.675 PSF
 P = 247.225 PSF
 OSCILLATION FREQUENCY = 5.051 HZ

ALPHA = -.001 DEG
 CPSTAR = -.345
 K = .138

ANALYZED VALUES : DELTA (MEAN) = .082 DEG DELTA (AMPL) = 2.959 DEG OSCILLATION FREQUENCY = 5.056 HZ K = .138

	X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-.7386	.0171	-5.188	-.3128	.0205	178.892	.4258	.0376	177.036
	.087	-.5793	.0106	11.868	-.3964	.0156	-170.481	.1830	.0262	-169.531
	.148	-.6925	.0139	1.910	-.4059	.0103	-165.069	.2866	.0240	-172.552
	.209	-.5982	.0147	12.154	-.3543	.0101	-166.924	.2438	.0248	-167.471
	.294	-.6903	.0091	6.577	-.4037	.0062	-132.207	.2867	.0144	-156.892
	.350	-.7040	.0122	11.207	-.3882	.0012	-161.558	.3058	.0134	-168.147
	.407	-.7413	.0119	5.126	-.3892	.0049	-131.750	.3521	.0158	-162.661
	.463	-.7548	.0189	14.503	-.3840	.0036	-120.088	.3708	.0216	-158.674
	.519	-.7685	.0100	14.643	-.3254	.0036	-73.869	.4431	.0105	-145.392
	.579	-.8283	.0110	12.115	-.1713	.0097	-1.072	.6570	.0027	-112.995
	.659	-.7967	.0065	96.655	.0529	.0015	14.510	.8496	.0065	-70.064
	.739	-.7645	.0043	104.883	.2243	.0028	3.819	.9888	.0056	-45.517
	.819	-.2611	.0510	146.172	.3697	.0035	-13.437	.6308	.0543	-32.541
	.899	-.0913	.0104	-159.390	.4415	.0013	40.206	.5328	.0116	22.758
	.974				.3234	.0009	-46.015			
	.990	.1088	.0022	129.790						
ETA = .871	.025	-.6007	.0334	-1.575	-.2563	.0263	-168.940	.3444	.0593	-176.012
	.084	-.6751	.0330	4.138	-.3603	.0151	-158.654	.3148	.0476	-170.481
	.143	-.6329	.0320	7.856	-.3744	.0082	-149.482	.2585	.0397	-167.578
	.202	-.6414	.0181	16.013	-.3776	.0070	-80.318	.2638	.0201	-143.750
	.301	-.7211	.0111	29.320	-.4371	.0182	-11.588	.2841	.0122	-48.122
	.354	-.7214	.0141	32.564	-.3790	.0250	-4.177	.3424	.0161	-35.794
	.407	-.7102	.0140	16.789	-.3816	.0353	-4.125	.3286	.0228	-16.800
	.460	-.7785	.0200	30.585	-.3873	.0496	1.192	.3912	.0336	-15.774
	.513	-.7892	.0140	46.162	-.3203	.0570	.560	.4689	.0483	-11.404
	.566	-.7979	.0455	165.265	-.2470	.0732	9.179	.5509	.1163	.051
	.680	-.4523	.3442	172.614	.0506	.0642	4.942	.5029	.4072	-5.457
	.742	-.2317	.2439	178.215	.1441	.0807	5.956	.3758	.3240	.137
	.830	-.1399	.0515	-156.004	.3886	.0510	4.432	.4985	.1010	14.262
	.910	-.0423	.0200	178.683	.4202	.0342	6.173	.4625	.0541	3.410
	.975				.3248	.0134	11.265			
	.990	.1457	.0101	177.966						
ETA = .972	.025	-.6823	.0363	24.595	-.3392	.0222	-143.149	.3430	.0582	-150.759
	.092	-.6597	.0242	32.723	-.3874	.0106	-106.461	.2722	.0330	-135.142
	.126				-.4698	.0110	-72.379			
	.160	-.8048	.0207	26.438						
	.227	-.8277	.0133	58.101	-.5024	.0260	-19.064	.3253	.0264	-48.430
	.294	-.7466	.0314	149.498	-.4243	.0320	-3.766	.3223	.0617	-17.005
	.362	-.5252	.1514	158.437	-.3202	.0235	12.421	.2050	.1714	-17.167
	.430	-.2876	.0573	-176.852	-.3108	.0273	6.972	-.0232	.0846	4.381
	.497	-.3109	.0397	-172.828	-.2714	.0271	5.320	.0394	.0668	6.421
	.565	-.2818	.0368	-169.580	-.1710	.0257	3.988	.1107	.0624	7.776
	.632	-.2925	.0387	-167.822	-.0284	.0171	9.807	.2641	.0558	11.452
	.700	-.2741	.0350	-167.979	-.1058	.0096	10.993	.3799	.0446	11.800
	.767	-.2032	.0292	-169.990	.2464	.0036	63.601	.4496	.0315	15.293
	.835	-.1450	.0280	-175.686	.3286	.0044	-177.134	.4736	.0236	4.583
	.902	-.0832	.0227	-176.562	.3571	.0103	173.510	.4403	.0127	11.489
	.973				.2141	.0111	-177.600			
	.990	.0549	.0070	166.920						
ETA = .875	.084	-.6910	.0297	11.697						
	.143	-.6058	.0193	17.970						
	.202									
	.301	-.7852	.0135	25.720						
	.407									
	.513	-.4840	.3518	170.362						
	.680	-.1245	.0433	-149.028						
	.830									
ETA = .981	.160				-.5145	.0137	-26.445			

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367									
POINT NUMBER 811		MACH = .849		RN = 1.824*10E6		H = 367.750 PSF		ALPHA = -.001 DEG	
		Q = 100.756 PSF		GAMMA = 1.132		P = 247.000 PSF		CPSTAR = -.342	
		DELTA (MEAN) = -.026 DEG		DELTA (AMPL) = 1.012 DEG		OSCILLATION FREQUENCY = 14.957 HZ		K = .409	
ANALYZED VALUES :		DELTA (MEAN) = .173 DEG		DELTA (AMPL) = .991 DEG		OSCILLATION FREQUENCY = 14.995 HZ		K = .410	
X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-.7410	.0014	-.59.557	-.3080	.0036	36.557	.4330	.0040
	.087	-.5797	.0024	-152.924	-.3928	.0023	89.991	.1870	.0040
	.148	-.6929	.0018	-138.543	-.4036	.0015	73.434	.2893	.0032
	.209	-.5990	.0022	-128.471	-.3527	.0009	-63.242	.2463	.0020
	.294	-.6906	.0015	-132.520	-.3999	.0009	-47.933	.2907	.0017
	.350	-.7031	.0014	-133.718	-.3946	.0030	-10.388	.3084	.0039
	.407	-.7380	.0023	-170.858	-.3841	.0007	-51.933	.3539	.0027
	.463	-.7508	.0062	128.986	-.3812	.0022	-43.567	.3696	.0084
	.519	-.7639	.0046	-5.181	-.3225	.0019	-27.203	.4413	.0029
	.579	-.8255	.0012	-169.341	-.1692	.0014	12.267	.6563	.0026
	.659	-.7940	.0034	119.200	.0539	.0022	2.854	.8480	.0048
	.739	-.7633	.0075	110.682	.2241	.0012	-42.630	.9874	.0086
	.819	-.2404	.0136	125.969	.3714	.0015	-6.004	.6118	.0146
	.899	-.0917	.0049	-159.991	.4442	.0019	-32.760	.5359	.0062
	.974				.3263	.0002	-62.282		
	.990	.1106	.0021	-156.765					
ETA = .871	.025	-.6029	.0035	-173.611	-.2515	.0051	-1.354	.3514	.0086
	.084	-.6768	.0043	-175.657	-.3563	.0046	-9.842	.3205	.0088
	.143	-.6256	.0019	-153.993	-.3707	.0037	-22.781	.2549	.0052
	.202	-.6381	.0014	-63.919	-.3739	.0064	-27.976	.2642	.0053
	.301	-.7225	.0001	78.416	-.4333	.0101	-11.634	.2893	.0101
	.354	-.7227	.0008	80.276	-.3753	.0128	.971	.3474	.0127
	.407	-.7096	.0011	-107.068	-.3769	.0149	7.161	.3327	.0154
	.460	-.7781	.0025	167.544	-.3820	.0203	6.328	.3961	.0227
	.513	-.7914	.0031	139.994	-.3156	.0218	11.231	.4758	.0239
	.566	-.8139	.0157	154.173	-.2411	.0227	21.017	.5728	.0353
	.680	-.4223	.1623	161.786	.0516	.0240	17.054	.4739	.1824
	.742	-.1563	.0519	-171.956	.1473	.0293	15.446	.3036	.0810
	.830	-.1513	.0253	-136.032	.3633	.0184	13.097	.5146	.0422
	.910	-.0392	.0058	169.245	.4251	.0112	20.481	.4643	.0164
	.975				.3297	.0045	16.734		
	.990	.1505	.0011	-118.113					
ETA = .972	.025	-.6872	.0042	-168.640	-.3354	.0094	6.173	.3518	.0136
	.092	-.6627	.0027	-169.868	-.3837	.0067	.420	.2790	.0094
	.126				-.4626	.0085	-11.090		
	.160	-.8064	.0023	-175.883		.0085	-18.949	.3327	.0108
	.227	-.8264	.0027	126.202	-.4938	.0117	1.795	.3243	.0240
	.294	-.7416	.0137	143.247	-.4173	.0082	42.025	.2130	.0733
	.362	-.5282	.0724	135.274	-.3152	.0102	24.491	.0287	.0305
	.430	-.2798	.0203	-162.023	-.3085	.0102	12.293	.0410	.0241
	.497	-.3098	.0154	-160.093	-.2688	.0087	20.107	.1150	.0247
	.565	-.2832	.0152	-148.166	-.1682	.0096	27.484	.2692	.0187
	.632	-.2933	.0129	-147.121	-.1024	.0058	35.948	.3846	.0143
	.700	-.2738	.0119	-147.472	-.1088	.0024	93.011	.4522	.0111
	.767	-.2037	.0100	-155.421	.2489	.0023	166.628	.4755	.0069
	.835	-.1456	.0093	-168.284	.3299	.0028	164.783	.4409	.0040
	.902	-.0842	.0081	-176.092	.3567	.0046	175.304		
	.990	.0542	.0022	-169.308	.2136	.0040			
ETA = .875	.084	-.6846	.0015	-170.339					
	.143	-.6014	.0011	-131.638					
	.202								
	.301	-.7834	.0013	138.445					
	.407								
	.513	-.4871	.1881	156.648					
	.680	-.1364	.0251	-126.790					
	.830								
ETA = .981	.160				-.5100	.0089	-9.855		

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367										
POINT NUMBER 812		MACH = .850		RN = 1.825*10E6		H = 367.825 PSF		ALPHA = -.001 DEG		
		Q = 100.843 PSF		GAMMA = 1.132		P = 246.950 PSF		CPSTAR = -.340		
		DELTA (MEAN) = -.071 DEG		DELTA (AMPL) = 2.036 DEG		OSCILLATION FREQUENCY = 14.957 HZ K = .408				
ANALYZED VALUES :		DELTA (MEAN) = .119 DEG		DELTA (AMPL) = 2.004 DEG		OSCILLATION FREQUENCY = 14.995 HZ K = .410				
	X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-.7299	.0015	-126.708	-.3102	.0034	-8.748	.4197	.0043	9.147
	.087	-.5720	.0033	-155.585	-.3957	.0040	-21.802	.1763	.0067	-1.037
	.148	-.6863	.0055	-126.602	-.4068	.0042	-35.545	.2795	.0070	16.422
	.209	-.5941	.0061	-138.145	-.3541	.0055	-35.827	.2400	.0090	5.398
	.294	-.6864	.0037	-128.505	-.4030	.0060	-28.214	.2834	.0076	.444
	.350	-.7018	.0054	-124.928	-.3969	.0071	-28.892	.3048	.0094	6.113
	.407	-.7381	.0068	-128.652	-.3866	.0076	-19.966	.3515	.0117	13.409
	.463	-.7530	.0063	173.045	-.3836	.0079	-6.251	.3694	.0142	-6.563
	.519	-.7686	.0069	-57.254	-.3228	.0085	-5.391	.4458	.0069	46.617
	.579	-.8291	.0058	-108.465	-.1675	.0083	8.321	.6616	.0121	33.701
	.659	-.7975	.0046	9.896	.0554	.0055	5.652	.8529	.0010	-14.806
	.739	-.7702	.0052	-3.618	.2255	.0057	-2.106	.9956	.0005	13.186
	.819	-.2659	.0290	17.972	.3727	.0043	13.093	.6387	.0247	-161.180
	.899	-.0823	.0120	126.099	.4446	.0042	31.830	.5269	.0130	-35.114
	.974				.3280	.0032	13.756			
	.990	.1121	.0029	78.062						
ETA = .871	.025	-.5912	.0059	-159.835	-.2556	.0124	-15.304	.3356	.0175	-4.050
	.084	-.6698	.0089	-150.801	-.3594	.0116	-28.042	.3104	.0180	-3.532
	.143	-.6202	.0070	-121.340	-.3740	.0114	-30.500	.2462	.0135	-2.820
	.202	-.6320	.0050	-87.940	-.3776	.0167	-20.236	.2544	.0155	-2.881
	.301	-.7160	.0039	-56.482	-.4378	.0246	-8.597	.2782	.0222	-1.100
	.354	-.7175	.0034	-50.678	-.3782	.0279	1.646	.3393	.0260	7.596
	.407	-.7119	.0037	-101.297	-.3813	.0351	7.285	.3306	.0364	12.806
	.460	-.7773	.0029	-53.485	-.3862	.0441	8.773	.3910	.0428	12.209
	.513	-.7942	.0014	-98.721	-.3178	.0461	15.623	.4764	.0467	17.188
	.566	-.8173	.0198	147.473	-.2424	.0504	21.783	.5748	.0540	7.231
	.680	-.4766	.2472	150.740	.0539	.0495	15.129	.5304	.2847	-22.274
	.742	-.1825	.1277	167.146	.1480	.0574	15.402	.3306	.1803	-4.186
	.830	-.1361	.0484	-150.096	.3626	.0394	12.097	.4987	.0868	21.921
	.910	-.0392	.0161	172.967	.4255	.0260	17.894	.4647	.0412	8.406
	.975				.3309	.0112	28.789			
	.990	.1527	.0044	-178.094						
ETA = .972	.025	-.6729	.0113	-160.235	-.3402	.0205	9.925	.3328	.0317	13.418
	.092	-.6533	.0055	-135.066	-.3881	.0187	7.040	.2652	.0233	15.381
	.126				-.4702	.0213	-7.386			
	.160	-.8003	.0028	-104.768	-.5039	.0200	-9.365	.3193	.0210	-10.504
	.227	-.8232	.0011	148.304	-.4276	.0303	11.285	.3243	.0411	-20.469
	.294	-.7520	.0221	113.348	-.3137	.0179	46.286	.2801	.0840	-44.329
	.362	-.5938	.0861	123.672	-.3089	.0206	27.057	.0325	.0617	-2.077
	.430	-.2764	.0448	164.987	-.2692	.0206	24.762	-.0344	.0526	10.688
	.497	-.3036	.0330	-178.044	-.1684	.0173	26.833	.1089	.0471	21.473
	.565	-.2772	.0299	-161.626	-.0233	.0112	39.130	.2651	.0419	20.165
	.632	-.2884	.0315	-166.487	.1100	.0073	64.173	.3802	.0313	27.070
	.700	-.2702	.0259	-162.765	.2496	.0050	98.253	.4488	.0229	25.174
	.767	-.1993	.0220	-167.381	.3301	.0045	143.057	.4719	.0177	10.791
	.835	-.1418	.0210	-178.328	.3580	.0093	158.385	.4394	.0108	19.242
	.902	-.0814	.0188	-179.639	.2157	.0098	178.903			
	.973									
	.990	.0575	.0072	176.622						
ETA = .875	.084	-.6786	.0057	-100.428						
	.143	-.5984	.0052	-118.233						
	.202									
	.301	-.7816	.0033	-87.556						
	.407									
	.513									
	.680	-.5393	.2494	143.953						
	.830	-.1190	.0511	-138.332						
ETA = .981	.160				-.5170	.0208	-2.391			

Table 4. Continued

U N S T E A D Y P R E S S U R E S - T D T T E S T 3 6 7

POINT NUMBER 813

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MACH = .851 RN = 1.825*10E6
Q = 100.987 PSF GAMMA = 1.132
DELTA (MEAN) = .002 DEG DELTA (AMPL) = 3.046 DEG

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H = 367.825 PSF ALPHA = -.001 DEG
P = 246.725 PSF CPSTAR = -.338
OSCILLATION FREQUENCY = 14.957 HZ K = .408

ANALYZED VALUES : DELTA (MEAN) = .089 DEG DELTA (AMPL) = 2.995 DEG OSCILLATION FREQUENCY = 14.995 HZ K = .409

[illegible]

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367

POINT NUMBER 814

MACH = .846
 Q = 100.313 PSF
 DELTA (MEAN) = -.009 DEG

RN = 1.821*10E6
 GAMMA = 1.132
 DELTA (AMPL) = 1.036 DEG

H = 367.625 PSF
 P = 247.550 PSF
 OSCILLATION FREQUENCY = 20.042 HZ

ALPHA = -.001 DEG
 CPSTAR = -.349
 K = .549

ANALYZED VALUES : DELTA (MEAN) = .162 DEG DELTA (AMPL) = .998 DEG OSCILLATION FREQUENCY = 20.060 HZ K = .550

	X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-.7232	.0018	-51.294	-.3195	.0013	173.926	.4038	.0029	147.473
	.087	-.5693	.0011	-172.233	-.4061	.0046	-116.190	.1632	.0041	-103.296
	.148	-.6842	.0005	-113.034	-.4176	.0043	-107.984	.2666	.0038	-107.320
	.209	-.5913	.0005	-113.078	-.3630	.0045	-73.446	.2283	.0041	-69.050
	.294	-.6841	.0014	-86.259	-.4133	.0058	-67.068	.2708	.0045	-61.201
	.350	-.7020	.0017	-156.892	-.4053	.0050	-54.331	.2967	.0056	-37.159
	.407	-.7430	.0013	-124.698	-.3963	.0062	-36.849	.3467	.0063	-24.924
	.463	-.7501	.0073	165.561	-.3302	.0059	-26.658	.3676	.0131	-19.898
	.519	-.7558	.0018	-73.860	-.3302	.0036	-14.546	.4455	.0031	15.451
	.579	-.8390	.0014	-168.781	-.1688	.0062	9.463	.6701	.0076	9.787
	.659	-.8099	.0009	-81.962	-.0503	.0036	-8.884	.8602	.0034	5.580
	.739	-.7853	.0014	-147.428	.2201	.0028	-25.581	1.0054	.0037	-7.005
	.819	-.7393	.0113	-52.124	.3686	.0026	11.709	.6628	.0104	114.933
	.899	-.0786	.0051	100.670	.4397	.0025	21.206	.5183	.0053	-51.434
	.974				.3232	.0016	10.400			
	.990	.1084	.0002	105.672						
ETA = .871	.025	-.5790	.0011	-20.194	-.2683	.0037	-90.309	.3107	.0035	-107.586
	.084	-.6625	.0009	-2.443	-.3721	.0041	-69.131	.2904	.0039	-81.745
	.143	-.6824	.0021	-66.239	-.3850	.0045	-76.549	.2274	.0025	-85.328
	.202	-.6267	.0011	-48.902	-.3869	.0078	-51.131	.2398	.0067	-51.497
	.301	-.7119	.0011	15.704	-.4463	.0126	-18.264	.2656	.0117	-21.275
	.354	-.7158	.0009	36.124	-.3876	.0151	-7.533	.3283	.0145	-9.995
	.407	-.7138	.0010	10.585	-.3884	.0171	-.624	.3254	.0161	-1.314
	.460	-.7792	.0018	32.178	-.3929	.0218	8.547	.3863	.0202	6.496
	.513	-.8008	.0024	25.644	-.3250	.0226	13.760	.4758	.0203	12.362
	.566	-.8348	.0070	152.487	-.2436	.0276	27.678	.5912	.0321	17.368
	.680	-.5754	.1326	143.561	.0501	.0257	15.713	.6255	.1498	-28.650
	.742	-.1879	.0856	158.437	.1480	.0318	18.756	.3358	.1118	-10.954
	.830	-.1257	.0286	-146.907	.3610	.0190	9.253	.4867	.0466	23.611
	.910	-.0382	.0040	-172.205	.4246	.0129	20.188	.4627	.0168	17.264
	.975				.3300	.0039	27.154			
	.990	.1509	.0026	174.305						
ETA = .972	.025	-.6604	.0004	83.519	-.3498	.0066	-15.501	.3106	.0067	-18.894
	.092	-.6471	.0014	41.150	-.3923	.0073	-23.178	.2548	.0068	-33.854
	.126				-.4825	.0076	-31.358			
	.160	-.7958	.0020	31.682	-.5200	.0091	-11.278	.3024	.0082	-25.254
	.227	-.8224	.0023	47.594	-.4391	.0136	11.275	.3347	.0176	-32.806
	.294	-.7738	.0123	96.912	-.3147	.0103	58.448	.3531	.0198	-56.495
	.362	-.6678	.0259	102.368	-.3100	.0088	35.556	-.0207	.0443	-27.397
	.430	-.2893	.0411	141.610	-.2727	.0097	28.385	.0217	.0337	10.461
	.497	-.2944	.0247	-176.480	-.1682	.0071	40.767	.1035	.0281	27.266
	.565	-.2718	.0213	-157.197	-.0239	.0066	39.613	.2628	.0252	30.739
	.632	-.2867	.0187	-152.382	.1099	.0028	74.062	.3789	.0184	37.631
	.700	-.2690	.0162	-148.261	.2476	.0033	121.593	.4481	.0126	38.768
	.767	-.2005	.0126	-156.294	.3284	.0026	136.796	.4720	.0082	19.529
	.835	-.1437	.0097	-174.255	.3541	.0048	148.202	.4371	.0065	46.672
	.902	-.0830	.0088	-165.635	.2144	.0045	167.077			
	.973									
	.990	.0570	.0046	-172.441						
ETA = .875	.084	-.6710	.0023	-12.410						
	.143	-.5938	.0014	2.725						
	.202									
	.301	-.7814	.0020	27.016						
	.407									
	.513	-.6436	.1152	140.223						
	.680	-.1069	.0321	-133.137						
	.830									
ETA = .981	.160				-.5310	.0098	-12.762			

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367										
POINT NUMBER 815	MACH = .853	RN = 1.829*10E6	H = 368.425 PSF	ALPHA = -.001 DEG						
	Q = 101.521 PSF	GAMMA = 1.132	P = 246.550 PSF	CPSTAR = -.331						
	DELTA (MEAN) = -.048 DEG	DELTA (AMPL) = 2.007 DEG	OSCILLATION FREQUENCY = 20.042 HZ	K = .545						
ANALYZED VALUES :	DELTA (MEAN) = .120 DEG	DELTA (AMPL) = 1.969 DEG	OSCILLATION FREQUENCY = 20.055 HZ	K = .545						
	UPPER CP	UPPER CP	UPPER CP	LOWER CP	LOWER CP	LOWER CP	DELTA CP	DELTA CP	DELTA CP	
	X/C	MEAN	MAGNITUDE	PHASE	MEAN	MAGNITUDE	PHASE	MEAN	MAGNITUDE	PHASE
ETA = .707	.025	-.7297	.0015	-92.617	-.3050	.0036	-88.966	.4248	.0021	-86.365
	.087	-.5714	.0002	156.837	-.3891	.0055	-111.354	.1823	.0055	-109.275
	.148	-.6849	.0016	-132.859	-.3996	.0040	-79.768	.2853	.0033	-56.939
	.209	-.5924	.0020	153.615	-.3491	.0080	-72.169	.2433	.0095	-63.494
	.294	-.6847	.0031	-106.636	-.3965	.0064	-33.968	.2882	.0062	-5.584
	.350	-.6982	.0005	142.213	-.3909	.0079	-53.445	.3073	.0084	-52.523
	.407	-.7341	.0044	-118.734	-.3796	.0086	-26.430	.3545	.0098	.177
	.463	-.7485	.0070	-177.401	-.3784	.0082	-36.582	.3702	.0143	-18.601
	.519	-.7627	.0073	-45.439	-.3175	.0083	-20.625	.4451	.0035	40.723
	.579	-.8236	.0046	-136.042	-.1615	.0086	-7.151	.6621	.0120	10.159
	.659	-.7906	.0038	-4.497	.0597	.0047	4.924	.8503	.0010	26.305
	.739	-.7568	.0043	19.687	.2290	.0051	-17.225	.9858	.0031	-74.463
	.819	-.2546	.0308	49.551	.3782	.0026	8.567	.6328	.0289	-127.064
	.899	-.0831	.0112	128.913	.4495	.0035	-15.497	.5326	.0142	-42.836
	.974				.3323	.0008	169.395			
	.990	.1166	.0026	34.959						
ETA = .871	.025	-.5892	.0007	78.585	-.2488	.0093	-59.183	.3404	.0098	-61.926
	.084	-.6671	.0018	-21.884	-.3516	.0092	-78.137	.3155	.0083	-88.481
	.143	-.6148	.0021	-120.090	-.3664	.0094	-53.144	.2483	.0088	-40.449
	.202	-.6282	.0032	-46.642	-.3698	.0145	-47.338	.2584	.0113	-47.536
	.301	-.7120	.0022	-56.524	-.4296	.0232	-24.200	.2824	.0214	-21.143
	.354	-.7137	.0022	6.867	-.3695	.0278	-14.391	.3442	.0258	-16.165
	.407	-.7069	.0034	-83.211	-.3725	.0323	2.736	.3344	.0322	8.775
	.460	-.7727	.0036	23.255	-.3769	.0412	2.456	.3958	.0379	.521
	.513	-.7865	.0010	58.116	-.3094	.0470	11.975	.4771	.0463	11.083
	.566	-.7999	.0291	137.455	-.2367	.0533	22.433	.5632	.0707	.538
	.680	-.4318	.2357	144.639	-.0598	.0479	15.288	.4915	.2686	-27.436
	.742	-.1756	.1261	168.115	.1536	.0574	12.939	.3292	.1798	-4.183
	.830	-.1351	.0583	-145.012	.3690	.0384	11.406	.5042	.0947	25.657
	.910	-.0317	.0141	177.430	.4323	.0254	13.953	.4640	.0391	8.070
	.975				.3367	.0111	22.402			
	.990	.1570	.0051	-147.372						
ETA = .972	.025	-.6752	.0053	114.615	-.3300	.0143	-37.489	.3452	.0191	-44.931
	.092	-.6510	.0034	88.505	-.3813	.0153	-26.211	.2697	.0170	-36.676
	.126				-.4597	.0172	-28.819			
	.160	-.7979	.0022	73.126						
	.227	-.8192	.0075	69.890	-.4952	.0147	-23.309	.3240	.0169	-49.659
	.294	-.7389	.0259	105.555	-.4170	.0259	1.392	.3219	.0409	-36.526
	.362	-.5344	.1094	110.412	-.3081	.0198	50.745	.2262	.1009	-59.832
	.430	-.2775	.0514	168.886	-.3018	.0212	24.587	-.0243	.0697	-.893
	.497	-.3031	.0395	-175.362	-.2647	.0188	13.481	.0384	.0581	7.487
	.565	-.2749	.0358	-154.652	-.1619	.0177	30.740	.1130	.0534	27.131
	.632	-.2853	.0327	-153.763	-.0193	.0112	38.571	.2660	.0437	29.375
	.700	-.2656	.0280	-150.672	.1157	.0081	48.563	.3813	.0357	33.609
	.767	-.1945	.0215	-154.051	.2558	.0047	69.997	.4503	.0251	33.432
	.835	-.1364	.0167	-166.134	.3361	.0050	140.760	.4725	.0143	30.139
	.902	-.0762	.0162	-172.001	.3610	.0071	173.161	.4372	.0095	19.019
	.975				.2203	.0082	-178.087			
	.990	.0625	.0049	-153.327						
ETA = .875	.084									
	.143	-.6757	.0028	-60.566						
	.202	-.5927	.0018	-55.069						
	.301									
	.407	-.7776	.0031	-33.878						
	.513									
	.680	-.4916	.2674	140.500						
	.830	-.1202	.0673	-134.262						
ETA = .981	.160				-.5083	.0183	-19.507			

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367

POINT NUMBER 816

MACH = .851
 Q = 101.225 PSF
 DELTA (MEAN) = -.083 DEG

RN = 1.827*10E6
 GAMMA = 1.132
 DELTA (AMPL) = 3.018 DEG

H = 368.325 PSF
 P = 246.900 PSF
 OSCILLATION FREQUENCY = 20.000 HZ

ALPHA = -.001 DEG
 CPSTAR = -.336
 K = .545

ANALYZED VALUES : DELTA (MEAN) = .078 DEG DELTA (AMPL) = 2.949 DEG OSCILLATION FREQUENCY = 20.055 HZ K = .547

	X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-.7400	.0035	-31.473	-.3097	.0071	-116.197	.4303	.0076	-143.408
	.087	-.5809	.0020	-160.086	-.3945	.0086	-94.229	.1864	.0080	-81.031
	.148	-.6933	.0020	-164.083	-.4054	.0100	-77.309	.2879	.0101	-65.892
	.209	-.6004	.0029	-115.868	-.3551	.0104	-65.208	.2453	.0089	-50.529
	.294	-.6922	.0045	-139.298	-.4022	.0110	-46.196	.2900	.0121	-24.412
	.350	-.7053	.0032	-131.550	-.3957	.0118	-33.679	.3095	.0126	-19.158
	.407	-.7403	.0050	-137.201	-.3860	.0126	-27.443	.3543	.0150	-9.217
	.463	-.7530	.0081	-176.439	-.3850	.0118	-15.485	.3680	.0196	-7.748
	.519	-.7674	.0074	-55.250	-.3242	.0135	-14.715	.4432	.0092	16.695
	.579	-.8289	.0036	-114.825	-.1711	.0158	8.726	.6577	.0180	18.299
	.659	-.7960	.0071	12.732	-.0520	.0085	-8.743	.8480	.0032	-6.279
	.739	-.7621	.0101	12.220	-.2204	.0089	3.017	.9824	.0019	-120.504
	.819	-.2519	.0298	32.101	.3703	.0086	-8.070	.6222	.0239	-134.467
	.899	-.0923	.0171	113.461	.4414	.0047	-8.964	.5336	.0200	-55.107
	.974				.3238	.0028	27.624			
	.990	.1087	.0018	102.287						
ETA = .871	.025	-.6001	.0018	89.045	-.2525	.0130	-60.786	.3476	.0146	-64.342
	.084	-.6766	.0008	-107.345	-.3564	.0153	-58.438	.3202	.0148	-56.101
	.143	-.6229	.0018	-91.825	-.3699	.0126	-51.116	.2530	.0113	-45.151
	.202	-.6354	.0026	-25.343	-.3747	.0212	-39.744	.2657	.0187	-41.726
	.301	-.7207	.0055	-12.445	-.4350	.0340	-17.267	.2857	.0285	-18.195
	.354	-.7198	.0053	-21.538	-.3757	.0412	-5.782	.3440	.0361	-3.499
	.407	-.7127	.0038	-19.762	-.3790	.0501	-.846	.3337	.0466	-.492
	.460	-.7779	.0070	-6.343	-.3842	.0616	3.991	.3938	.0547	5.305
	.513	-.7874	.0083	56.637	-.3169	.0690	13.780	.4705	.0632	8.652
	.566	-.7900	.0478	128.793	-.2437	.0771	24.405	.5463	.1003	3.086
	.680	-.4315	.2909	139.952	-.0514	.0708	14.322	.4829	.3371	-30.219
	.742	-.2082	.1864	164.840	-.1454	.0848	14.476	.3537	.2635	-16.002
	.830	-.1411	.0881	-151.908	.3601	.0580	9.927	.5013	.1443	20.896
	.910	-.0420	.0188	-179.850	.4221	.0384	16.362	.4641	.0567	11.050
	.975				.3266	.0146	29.205			
	.990	.1471	.0122	-168.099						
ETA = .972	.025	-.6857	.0087	107.414	-.3349	.0230	-27.656	.3508	.0298	-39.555
	.092	-.6608	.0053	60.606	-.3842	.0230	-15.277	.2766	.0223	-28.599
	.126				-.4648	.0262	-24.198			
	.160	-.8053	.0047	37.349	-.4999	.0261	-14.958	.3230	.0288	-41.090
	.227	-.8228	.0127	74.067	-.4224	.0385	9.998	.3169	.0566	-37.753
	.294	-.7393	.0419	99.391	-.3174	.0289	48.339	.1844	.1746	-67.235
	.362	-.5018	.1889	104.833	-.3092	.0301	24.530	.0178	.1034	-6.823
	.430	-.2914	.0769	171.496	-.2721	.0246	22.480	.0452	.0858	6.800
	.497	-.3172	.0625	-179.307	-.1712	.0249	34.804	.1129	.0799	24.800
	.565	-.2841	.0556	-160.473	-.0266	.0169	39.564	.2680	.0707	25.421
	.632	-.2946	.0545	-158.924	-.1077	.0101	66.496	.3805	.0541	25.772
	.700	-.2728	.0462	-155.381	-.2463	.0074	99.958	.4472	.0386	25.555
	.767	-.2009	.0366	-160.248	.3283	.0095	135.430	.4710	.0251	25.918
	.835	-.1427	.0297	-171.630	.3543	.0147	158.023	.4383	.0155	30.304
	.902	-.0840	.0271	-175.105	.2135	.0145	175.628			
	.973									
	.990	.0553	.0100	178.034						
ETA = .875	.084									
	.143	-.6834	.0045	-37.487						
	.202	-.6001	.0041	-38.894						
	.301									
	.407	-.7824	.0062	-18.684						
	.513									
	.680	-.4792	.3328	134.444						
	.830	-.1232	.1007	-138.603						
ETA = .981	.160				-.5146	.0280	-14.382			

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367

POINT NUMBER 817

MACH = .851

RN = 1.827*10E6

H = 368.600 PSF

ALPHA = 2.016 DEG

Q = 101.212 PSF

GAMMA = 1.132

P = 247.225 PSF

CPSTAR = -.337

DELTA (MEAN) = .021 DEG

DELTA (AMPL) = .996 DEG

OSCILLATION FREQUENCY = 4.988 HZ

K = .136

ANALYZED VALUES : DELTA (MEAN) = .166 DEG DELTA (AMPL) = .969 DEG OSCILLATION FREQUENCY = 4.983 HZ K = .136

	X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-.9974	.0042	11.382	.0048	.0052	-164.828	1.0022	.0094	-166.521
	.087	-.9549	.0052	-9.140	-.1523	.0037	170.933	.8026	.0089	170.890
	.148	-.9604	.0059	6.188	-.2036	.0027	179.411	.7568	.0086	-175.938
	.209	-.9362	.0028	-11.566	-.2061	.0070	-120.358	.7300	.0083	-138.902
	.294	-.9435	.0029	13.351	-.2721	.0020	151.810	.6714	.0046	176.565
	.350	-.9540	.0047	8.632	-.2889	.0033	109.622	.6651	.0062	157.337
	.407	-.9875	.0015	71.801	-.2858	.0018	118.283	.6916	.0013	173.089
	.463	-1.0132	.0077	41.946	-.3123	.0017	-20.358	.7009	.0071	-125.765
	.519	-1.0243	.0018	68.723	-.2591	0.0000	-176.769	.7652	.0018	-111.277
	.579	-1.0411	.0026	100.156	-.2212	.0009	58.657	.8199	.0020	-62.639
	.659	-.9993	.0027	63.563	-.0656	.0013	-25.398	1.0649	.0030	-90.534
	.739	-.7186	.0130	172.443	.2193	.0011	-32.935	.9379	.0140	-9.486
	.819	-.3023	.0078	168.119	.3616	.0012	-158.821	.6638	.0068	-17.384
	.899	-.0991	.0031	132.264	.4337	.0003	-126.042	.5328	.0032	-53.046
	.974				.2810	.0030	137.326			
	.990	.0207	.0006	-117.471						
ETA = .871	.025	-.9211	.0048	23.064	.0573	.0040	-156.314	.9783	.0088	-156.653
	.084	-1.0167	.0060	9.515	-.1285	.0027	-153.788	.8882	.0086	-165.323
	.143	-1.0016	.0070	4.759	-.1817	.0020	-122.741	.8199	.0084	-164.312
	.202	-.9970	.0080	-8.06	-.2322	.0011	-166.782	.7647	.0091	-179.122
	.301	-.9949	.0070	14.890	-.3271	.0044	-39.821	.6679	.0057	-126.255
	.354	-.9809	.0059	4.863	-.2009	.0054	19.023	.6900	.0015	121.552
	.407	-.9781	.0052	-13.444	-.3299	.0069	4.089	.6682	.0025	42.987
	.460	-1.0187	.0019	-15.924	-.3255	.0109	16.977	.6932	.0094	23.306
	.513	-.9897	.0108	178.254	-.2710	.0158	7.062	.7187	.0265	3.488
	.566	-.9620	.0032	164.819	-.2416	.0147	17.134	.7204	.0175	11.520
	.680	-.6081	.0911	-179.143	-.0594	.0185	12.048	.6676	.1093	2.739
	.742	-.3220	.0610	178.323	.1364	.0243	7.837	.4584	.0851	1.029
	.830	-.0904	.0229	175.493	.3626	.0154	6.006	.4530	.0381	-2.882
	.910	-.0189	.0036	-169.473	.4143	.0092	9.047	.4331	.0128	9.463
	.975				.3076	.0023	35.069			
	.990	.1090	.0065	170.673						
ETA = .972	.025	-.9484	.0038	57.155	-.0630	.0006	-125.373	.8854	.0044	-123.189
	.092	-1.0405	.0054	26.996	-.2189	.0016	-35.242	.8216	.0049	-136.086
	.126				-.2991	.0023	-32.669			
	.160	-1.0761	.0061	33.845	-.4340	.0058	-31.089	.6795	.0059	-103.652
	.227	-1.1135	.0069	23.031	-.4345	.0102	-1.036	.6403	.0121	-21.720
	.294	-1.0749	.0044	103.312	-.3541	.0086	17.077	.6486	.0054	-3.609
	.362	-1.0027	.0040	45.809	-.3555	.0059	31.123	.3582	.0821	-7.883
	.430	-.6837	.0776	169.374	-.2865	.0060	38.722	-.0846	.0234	12.643
	.497	-.2019	.0182	-175.690	-.1769	.0056	53.044	.0267	.0171	30.441
	.565	-.2037	.0121	-159.805	-.0403	.0050	40.623	.2009	.0178	23.932
	.632	-.2412	.0131	-162.361	-.0839	.0014	33.388	.3381	.0143	17.161
	.700	-.2543	.0130	-164.563	-.2869	.0011	99.998	.4423	.0134	12.293
	.767	-.2155	.0134	-172.412	.3071	.0009	-165.063	.4893	.0101	2.835
	.835	-.1822	.0110	-176.182	.3269	.0041	-173.650	.4604	.0064	-2.260
	.902	-.1335	.0105	-178.909	.1858	.0030	-174.765			
	.973									
	.990	.0261	.0038	146.932						
ETA = .875	.084									
	.143	-1.0468	.0056	15.333						
	.202	-.9642	.0074	16.395						
	.301									
	.407	-1.0416	.0043	8.121						
	.513									
ETA = .981	.680	-.6254	.1007	173.701						
	.830	-.0573	.0227	-170.413						
	.160				-.4133	.0037	-10.348			

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367

POINT NUMBER 818

MACH = .850

RN = 1.826*10E6

H = 368.600 PSF

ALPHA = 2.016 DEG

Q = 101.180 PSF

GAMMA = 1.132

P = 247.275 PSF

CPSTAR = -.338

DELTA (MEAN) = .201 DEG

DELTA (AMPL) = 1.983 DEG

OSCILLATION FREQUENCY = 4.963 HZ

K = .135

ANALYZED VALUES :

DELTA (MEAN) = .112 DEG

DELTA (AMPL) = 1.974 DEG

OSCILLATION FREQUENCY = 4.983 HZ

K = .136

	X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-.9951	.0046	-6.189	-.0079	.0099	-167.914	1.0030	.0143	-173.687
	.087	-.9504	.0101	-3.124	-.1510	.0058	-163.434	.7993	.0157	-175.966
	.148	-.9574	.0103	-1.494	-.2000	.0062	-138.596	.7574	.0154	-165.621
	.209	-.9315	.0072	2.904	-.2029	.0085	-115.698	.7286	.0135	-143.582
	.294	-.9407	.0067	17.412	-.2682	.0027	-172.615	.6725	.0094	-165.464
	.350	-.9517	.0080	-10.735	-.2894	.0014	-99.451	.6623	.0081	-179.227
	.407	-.9849	.0069	-18.148	-.2966	.0032	-95.640	.6883	.0069	-171.432
	.463	-1.0105	.0222	30.961	-.3118	.0029	-79.844	.6986	.0135	-137.459
	.519	-1.0217	.0044	13.473	-.2568	.0017	-64.159	.7648	.0044	-144.163
	.579	-1.0376	.0013	85.282	-.2211	.0027	-75.426	.8165	.0040	-81.667
	.639	-.9965	.0012	2.949	-.0681	.0042	-23.056	1.0646	.0032	-32.624
	.699	-.7090	.0238	163.912	-.2227	.0034	-31.860	.9317	.0271	-18.043
	.759	-.2983	.0112	161.092	-.3636	.0023	20.647	.6620	.0131	-12.467
	.819	-.2973	.0035	-159.877	-.4354	.0034	-44.029	.5328	.0058	-11.433
	.879	-.0974			.2820	.0013	-17.785			
	.990	.0226	.0008	115.264						
ETA = .871	.025	-.9174	.0106	7.750	-.0597	.0108	-145.979	.9771	.0208	-158.990
	.084	-1.0121	.0124	7.425	-.1276	.0063	-125.626	.8845	.0173	-157.163
	.143	-.9977	.0136	11.518	-.1796	.0034	-78.757	.8181	.0140	-154.462
	.202	-.9977	.0140	10.531	-.2290	.0031	-19.686	.7631	.0114	-161.623
	.261	-.9931	.0120	11.442	-.3239	.0088	-16.506	.6692	.0059	-124.258
	.320	-.9766	.0125	9.849	-.2898	.0125	-12.258	.6869	.0048	-91.205
	.379	-.9743	.0101	4.690	-.3083	.0229	-5.124	.6661	.0131	-12.698
	.438	-1.0134	.0066	32.591	-.3263	.0280	.511	.6871	.0227	-8.380
	.497	-.9868	.0165	-176.840	-.2715	.0327	3.378	.7153	.0492	3.305
	.556	-.9578	.0032	-160.512	-.2417	.0288	1.199	.7161	.0319	3.006
	.615	-.6021	.1691	-179.254	-.0610	.0363	3.464	.6630	.2054	1.226
	.674	-.3200	.1163	-179.893	.1373	.0506	7.914	.4574	.1666	2.322
	.733	-.0885	.0452	-178.417	.3638	.0313	6.618	.4523	.0764	3.643
	.792	-.0214	.0082	-168.400	.4149	.0180	3.906	.4363	.0261	6.312
	.851			.3086	.0072		10.256			
	.910									
	.969	.1108	.0127	172.130						
ETA = .972	.025	-.9456	.0078	30.559	-.0604	.0098	-133.998	.8852	.0174	-140.837
	.084	-1.0362	.0140	22.475	-.2171	.0056	-78.492	.8191	.0160	-137.476
	.143				-.2980	.0057	-39.311			
	.202	-1.0720	.0136	27.681						
	.261	-1.1082	.0121	28.902	-.4330	.0136	-14.320	.6751	.0096	-74.328
	.320	-1.0699	.0037	118.954	-.4360	.0232	-2.392	.6340	.0253	-9.561
	.379	-.9992	.0065	50.726	-.3512	.0193	1.230	.6480	.0159	-16.919
	.438	-.6786	.1267	173.203	-.3214	.0217	4.252	.3572	.1481	-5.187
	.497	-.1984	.0333	176.014	-.2841	.0183	17.140	-.0857	.0508	3.474
	.556	-.1995	.0229	-162.774	-.1757	.0137	17.482	-.0238	.0366	17.322
	.615	-.2367	.0210	-160.758	-.0391	.0083	9.377	.1976	.0292	16.452
	.674	-.2495	.0212	-164.972	.0855	.0040	13.672	.3350	.0252	14.813
	.733	-.2102	.0254	-171.707	.2301	.0009	106.141	.4403	.0253	10.313
	.792	-.1771	.0250	-173.895	.3097	.0067	161.059	.4868	.0191	14.627
	.851	-.1298	.0198	-170.991	.3297	.0109	-175.179	.4595	.0090	14.103
	.910			.1877	.0063		-156.114			
	.969	.0280	.0038	-179.075						
ETA = .875	.084	-1.0429	.0127	18.197						
	.143	-.9604	.0137	12.685						
	.202									
	.261	-1.0385	.0098	8.940						
	.320									
	.379	-.6254	.1776	178.559						
	.438	-.0596	.0419	-170.673						
ETA = .981	.160				-.4121	.0069	-14.625			

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367

POINT NUMBER 819

MACH = 1.850
 Q = 101.115 PSF
 DELTA (MEAN) = .262 DEG

RN = 1.825*10E6
 GAMMA = 1.132
 DELTA (AMPL) = 2.993 DEG

H = 368.600 PSF
 P = 247.375 PSF
 OSCILLATION FREQUENCY = 4.988 HZ

ALPHA = 2.016 DEG
 CPSTAR = -.339
 K = .136

ANALYZED VALUES : DELTA (MEAN) = .069 DEG DELTA (AMPL) = 2.961 DEG

OSCILLATION FREQUENCY = 4.981 HZ K = .136

	X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-.9970	.0081	.066	-.0092	.0123	-173.367	1.0061	.0204	-175.974
	.087	-.9543	.0136	5.432	-.1487	.0090	-174.186	.8057	.0226	-174.416
	.148	-.9595	.0147	.033	-.1977	.0087	-173.319	.7618	.0234	-177.496
	.209	-.9345	.0101	8.337	-.2071	.0079	-163.064	.7334	.0180	-167.890
	.294	-.9420	.0113	7.117	-.2058	.0033	-151.840	.6762	.0144	-168.172
	.350	-.9527	.0117	-2.526	-.2852	.0015	-113.535	.6675	.0123	-167.999
	.407	-.9844	.0104	5.181	-.2929	.0016	-42.335	.6915	.0094	-167.603
	.463	-1.0116	.0133	27.800	-.3085	.0004	37.874	.7031	.0131	-152.506
	.519	-1.0225	.0036	-13.425	-.2549	.0016	3.170	.7676	.0021	-154.106
	.579	-1.0391	.0041	107.199	-.2181	.0024	31.629	.8221	.0046	-135.228
	.659	-.9970	.0047	56.175	-.0688	.0029	1.270	1.0658	.0039	-85.785
	.739	-.7152	.0455	168.839	.2226	.0039	17.230	.9379	.0490	-8.991
	.819	-.2943	.0206	141.676	.3629	.0028	20.515	.6572	.0222	-32.122
	.899	-.0921	.0101	116.196	.4356	.0037	3.313	.5277	.0120	-47.346
	.974				.2846	.0025	53.303			
	.990	.0296	.0047	105.293						
ETA = .871	.025	-.9218	.0155	.237	-.0623	.0118	-157.929	.9841	.0268	-170.344
	.084	-1.0166	.0185	5.971	-.1243	.0074	-149.065	.8923	.0254	-166.966
	.143	-1.0028	.0201	8.107	-.1779	.0036	-96.960	.8249	.0213	-162.510
	.202	-.9963	.0220	7.876	-.2272	.0040	-42.673	.7691	.0197	-163.105
	.301	-.9963	.0184	13.820	-.3204	.0152	-11.743	.6759	.0081	-111.735
	.354	-.9799	.0174	14.433	-.2855	.0195	-2.412	.6944	.0058	-62.966
	.407	-.9784	.0153	7.606	-.3044	.0296	3.543	.6740	.0145	-6.893
	.460	-1.0136	.0080	22.431	-.3224	.0404	3.946	.6912	.0329	-1.474
	.513	-.9863	.0251	177.025	-.2703	.0480	6.359	.7160	.0729	3.157
	.566	-.9610	.0071	163.378	-.2400	.0455	8.973	.7211	.0520	5.591
	.680	-.5883	.2599	176.730	.0617	.0526	8.473	.6500	.3116	-1.301
	.742	-.3128	.1858	175.285	.1364	.0736	6.774	.4492	.2583	-1.462
	.830	-.0866	.0690	-178.952	.3600	.0486	7.035	.4467	.1174	3.521
	.910	-.0295	.0082	172.395	.4137	.0294	12.307	.4431	.0372	8.003
	.975				.3070	.0090	30.289			
	.990	.1097	.0221	165.931						
ETA = .972	.025	-.9498	.0131	25.573	-.0573	.0111	-131.539	.8925	.0237	-143.941
	.092	-1.0419	.0204	28.962	-.2147	.0045	-73.133	.8272	.0218	-139.389
	.126				-.2948	.0064	-40.932			
	.160	-1.0758	.0189	26.971	-.4293	.0163	-12.199	.6824	.0114	-102.990
	.227	-1.1118	.0200	22.430	-.4315	.0335	4.982	.6355	.0378	-12.929
	.294	-1.0670	.0119	107.101	-.3505	.0286	15.198	.6492	.0242	-8.114
	.362	-.9998	.0115	71.691	-.3217	.0285	16.403	.3112	.2459	-12.544
	.430	-.6329	.2214	163.884	-.2853	.0244	15.687	-.0857	.0729	7.416
	.497	-.1997	.0489	-176.700	-.1750	.0201	14.303	.0289	.0539	12.797
	.565	-.2039	.0338	-168.098	-.0399	.0137	15.193	.2007	.0486	14.156
	.632	-.2406	.0349	-166.251	.0847	.0044	45.149	.3381	.0430	14.388
	.700	-.2535	.0393	-168.895	.2284	.0010	92.931	.4406	.0384	7.908
	.767	-.2122	.0383	-173.582	.3094	.0096	169.696	.4868	.0285	8.649
	.835	-.1773	.0377	-176.095	.3294	.0135	173.375	.4584	.0190	8.259
	.902	-.1290	.0322	-177.923	.1870	.0114	177.111			
	.973									
	.990	.0250	.0072	178.849						
ETA = .875	.084	-1.0469	.0191	11.079						
	.143	-.9637	.0228	10.310						
	.202									
	.301	-1.0409	.0146	10.340						
	.407									
	.513									
	.680	-.6084	.2586	174.082						
	.830	-.0559	.0653	-176.997						
ETA = .981	.160				-.4076	.0102	-18.987			

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367									
POINT NUMBER 820	MACH = .851	RN = 1.828*10E6	H = 368.925 PSF	ALPHA = 2.016 DEG					
	Q = 101.423 PSF	GAMMA = 1.132	P = 247.250 PSF	CPSTAR = -.335					
	DELTA (MEAN) = -.006 DEG	DELTA (AMPL) = 1.013 DEG	OSCILLATION FREQUENCY = 15.021 HZ	K = .409					
ANALYZED VALUES :	DELTA (MEAN) = .159 DEG	DELTA (AMPL) = .987 DEG	OSCILLATION FREQUENCY = 15.091 HZ	K = .411					
X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-1.0035	.0012	-85.056	.0199	.0028	-13.163	1.0234	.0027
	.087	-.9603	.0022	-79.268	-.1407	.0011	26.129	.8196	.0027
	.148	-.9643	.0020	-138.914	-.1882	.0024	-31.455	.7760	.0036
	.209	-.9374	.0024	-79.249	-.1935	.0026	-4.147	.7439	.0031
	.294	-.9446	.0008	-93.749	-.2553	.0036	-23.658	.6892	.0034
	.350	-.9536	.0011	-109.323	-.2753	.0028	-20.775	.6783	.0030
	.407	-.9851	.0006	-115.979	-.2822	.0040	-20.201	.7029	.0045
	.463	-1.0103	.0046	152.127	-.2974	.0041	-4.102	.7129	.0084
	.519	-1.0228	.0028	-33.808	-.2450	.0028	-4.134	.7777	.0014
	.579	-1.0421	.0024	19.254	-.2068	.0053	-.8354	.8354	.0031
	.659	-.9994	.0008	-114.556	-.0758	.0028	7.529	1.0752	.0033
	.739	-.7181	.0150	47.173	-.2288	.0028	25.476	.9469	.0124
	.819	-.2818	.0059	41.832	-.3700	.0018	26.121	.6519	.0042
	.899	-.0807	.0021	100.989	-.4429	.0018	-.353	.5236	.0030
	.974				.2926	.0011	107.307		
	.990	.0423	.0007	85.093					
ETA = .871	.025	-.9291	.0030	-179.731	.0719	.0066	6.456	1.0010	.0096
	.084	-1.0236	.0017	-124.596	-.1146	.0042	4.372	.9090	.0054
	.143	-1.0078	.0026	-145.485	-.1711	.0038	-32.441	.8367	.0054
	.202	-1.0011	.0009	-136.993	-.2179	.0063	-12.473	.7832	.0069
	.301	-.9984	.0012	-127.698	-.3113	.0085	-4.672	.6871	.0092
	.354	-.9809	.0014	-83.354	-.2768	.0102	9.109	.7041	.0104
	.407	-.9793	.0015	178.764	-.2941	.0139	6.171	.6852	.0154
	.460	-1.0178	.0025	-159.531	-.3103	.0160	10.992	.7074	.0185
	.513	-.9859	.0133	-173.471	-.2571	.0180	17.457	.7289	.0312
	.566	-.9578	.0080	-150.901	-.2281	.0183	27.984	.7297	.0263
	.680	-.5668	.0808	165.376	-.0674	.0196	17.795	.6342	.0979
	.742	-.2765	.0568	167.576	-.1434	.0270	19.461	.4199	.0810
	.830	-.0792	.0192	-175.499	-.3679	.0165	18.531	.4471	.0354
	.910	-.0129	.0043	174.710	-.4211	.0125	24.111	.4340	.0164
	.975				.3139	.0043	46.043		
	.990	.1202	.0065	150.318					
ETA = .972	.025	-.9571	.0030	-161.757	-.0476	.0090	19.277	.9094	.0120
	.092	-1.0488	.0033	-140.989	-.2057	.0066	23.192	.8431	.0098
	.126				-.2868	.0066	10.536		
	.160	-1.0816	.0022	-131.955	-.4193	.0057	-6.310	.6979	.0072
	.227	-1.1172	.0015	-171.824	-.4170	.0117	12.920	.6507	.0206
	.294	-1.0677	.0100	156.889	-.3418	.0080	40.797	.6575	.0124
	.362	-.9993	.0060	165.707	-.3129	.0090	38.751	.6523	.0961
	.430	-.5653	.0959	146.745	-.2781	.0084	42.048	.6805	.0248
	.497	-.1976	.0178	-178.031	-.1704	.0076	43.852	.6368	.0304
	.565	-.2071	.0133	-153.227	-.0353	.0051	57.427	.2083	.0182
	.632	-.2436	.0135	-149.247	-.0878	.0033	75.648	.3442	.0162
	.700	-.2564	.0139	-152.914	-.2311	.0027	107.658	.4464	.0149
	.767	-.2153	.0141	-160.042	-.3113	.0056	149.661	.4918	.0097
	.835	-.1806	.0131	-168.519	-.3297	.0059	-178.842	.4611	.0058
	.902	-.1314	.0114	-166.184	.1882	.0053	-161.566		
	.973								
	.990	.0273	.0027	169.767					
ETA = .875	.084	-1.0545	.0026	-171.930					
	.143	-.9695	.0028	-142.831					
	.202								
	.301	-1.0419	.0003	-7.856					
	.407								
	.513								
	.680	-.5774	.0933	158.647					
	.830	-.0501	.0198	-156.497					
ETA = .981	.160				-.4001	.0087	6.816		

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367									
POINT NUMBER 821	MACH = .850	RN = 1.826*10E6	H = 368.750 PSF	ALPHA = 2.016 DEG					
	Q = 101.220 PSF	GAMMA = 1.132	P = 247.375 PSF	CPSTAR = -.338					
	DELTA (MEAN) = -.017 DEG	DELTA (AMPL) = 2.057 DEG	OSCILLATION FREQUENCY = 15.054 HZ	K = .410					
ANALYZED VALUES :	DELTA (MEAN) = .110 DEG	DELTA (AMPL) = 2.026 DEG	OSCILLATION FREQUENCY = 15.086 HZ	K = .411					
X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025 -1.0051	.0041	7.341	.0138	.0029	-11.734	1.0189	.0017	-137.773
	.087 -.9626	.0021	166.726	-.1446	.0022	10.591	.8179	.0042	-1.060
	.148 -.9667	.0049	-168.163	-.1942	.0015	-13.856	.7725	.0063	5.898
	.209 -.9401	.0038	-132.363	-.1992	.0044	-40.764	.7409	.0059	-6.634
	.294 -.9469	.0012	-133.680	-.2624	.0053	-7.738	.6845	.0061	1.453
	.350 -.9566	.0040	-174.891	-.2813	.0047	8.659	.6753	.0087	7.027
	.407 -.9874	.0038	-148.969	-.2885	.0036	-17.010	.6989	.0068	7.701
	.463 -1.0137	.0039	159.858	-.3037	.0047	-10.091	.7100	.0086	-14.648
	.519 -1.0253	.0038	-14.383	-.2501	.0062	3.525	.7751	.0028	27.857
	.579 -1.0449	.0037	117.015	-.2133	.0058	19.249	.8316	.0073	-10.947
	.659 -1.0016	.0033	163.198	.0709	.0033	14.032	1.0725	.0064	-1.385
	.739 -.7204	.0129	90.714	.2242	.0047	-18.958	.9446	.0151	-72.293
	.819 -.2892	.0099	111.025	.3651	.0063	16.531	.6542	.0121	-37.832
	.899 -.0881	.0090	125.017	.4384	.0039	24.344	.5265	.0105	-33.469
	.974			.2877	.0011	63.374			
	.990	.0357	.0040	165.301					
ETA = .871	.025 -.9296	.0048	139.580	.0666	.0079	-16.339	.9962	.0124	-25.400
	.084 -1.0241	.0048	170.663	-.1213	.0072	-39.751	.9028	.0116	-27.656
	.143 -1.0075	.0031	-159.528	-.1755	.0085	-36.628	.8320	.0105	-22.291
	.202 -1.0013	.0022	157.137	-.2240	.0134	-15.680	.7773	.0156	-16.691
	.301 -.9993	.0035	-173.994	-.3175	.0166	-8.305	.6817	.0200	-5.827
	.354 -.9832	.0042	-140.178	-.2817	.0199	-1.995	.7016	.0232	4.938
	.407 -.9808	.0017	-110.468	-.3000	.0286	2.502	.6809	.0293	5.564
	.460 -1.0189	.0043	-176.151	-.3174	.0351	7.854	.7015	.0394	7.418
	.513 -.9889	.0249	-172.119	-.2651	.0384	13.581	.7239	.0632	11.339
	.566 -.9623	.0148	-158.835	-.2349	.0348	19.457	.7274	.0496	19.967
	.680 -.5747	.1599	173.492	.0620	.0411	12.498	.6367	.1992	-2.655
	.742 -.2906	.1150	170.365	.1391	.0539	14.390	.4297	.1627	-2.024
	.830 -.0846	.0417	-178.130	.3624	.0358	14.610	.4471	.0770	7.753
	.910 -.0217	.0100	-172.059	.4154	.0209	20.779	.4371	.0307	16.633
	.975			.3089	.0101	26.487			
	.990	.1153	.0097	163.241					
ETA = .972	.025 -.9566	.0061	-173.074	-.0545	.0155	-7.392	.9021	.0215	-3.362
	.092 -1.0483	.0064	-167.185	-.2105	.0151	-6.508	.8379	.0212	-.787
	.126			-.2931	.0155	-4.679			
	.160 -1.0821	.0044	172.897				.6930	.0214	-10.617
	.227 -1.1187	.0064	-174.922	-.4257	.0153	-17.114	.6439	.0422	-3.556
	.294 -1.0692	.0173	175.307	-.4253	.0249	-2.765	.6534	.0297	18.447
	.362 -1.0015	.0077	-155.590	-.3481	.0221	16.373	.2712	.1785	-16.343
	.430 -.5912	.1621	158.497	-.3200	.0224	24.257	-.0822	.0486	11.315
	.497 -.2007	.0341	-178.176	-.2828	.0160	31.888	.0327	.0376	27.028
	.565 -.2086	.0251	-151.955	-.1758	.0125	24.985	.2058	.0320	30.565
	.632 -.2455	.0220	-146.508	-.0397	.0101	24.178	.3426	.0281	29.082
	.700 -.2586	.0224	-156.408	.0840	.0062	49.301	.4446	.0266	24.778
	.767 -.2164	.0268	-165.316	.2282	.0047	112.736	.4909	.0191	14.812
	.835 -.1829	.0262	-172.130	.3081	.0076	170.187	.4611	.0141	18.886
	.902 -.1338	.0223	-170.931	.3273	.0087	172.970			
	.973			.1857	.0060	165.411			
	.990	.0235	.0057	168.916					
ETA = .875	.084 -1.0546	.0047	-177.516						
	.143 -.9710	.0047	179.969						
	.202								
	.301 -1.0435	.0029	-133.523						
	.407								
	.513								
	.680 -.5999	.1654	167.499						
	.830 -.0557	.0425	-165.920						
ETA = .981	.160			-.4059	.0149	-5.599			

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367

POINT NUMBER 822

MACH = .850
 $Q = 101.282$ PSF
 DELTA (MEAN) = .016 DEG

RN = 1.826×10^6
 GAMMA = 1.132
 DELTA (AMPL) = 2.992 DEG

H = 368.975 PSF
 P = 247.525 PSF
 OSCILLATION FREQUENCY = 15.054 HZ

ALPHA = 2.016 DEG
 CPSTAR = .338
 K = .410

ANALYZED VALUES : DELTA (MEAN) = .086 DEG DELTA (AMPL) = 2.927 DEG OSCILLATION FREQUENCY = 15.086 HZ K = .411

	X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-.9928	.0034	-6.741	.0071	.0078	21.914	.9999	.0051	40.616
	.087	-.9489	.0095	-134.000	-.1504	.0013	12.660	.7985	.0106	42.139
	.148	-.9546	.0047	-134.571	-.2013	.0042	33.602	.7533	.0089	39.849
	.209	-.9302	.0065	-117.366	-.2041	.0038	-36.086	.7261	.0070	30.257
	.294	-.9383	.0058	-155.914	-.2694	.0025	-30.562	.6689	.0083	26.036
	.350	-.9499	.0063	-97.912	-.2888	.0074	-27.314	.6611	.0080	20.917
	.407	-.9817	.0050	-173.373	-.2962	.0030	-6.975	.6855	.0079	1.534
	.463	-1.0082	.0041	109.819	-.3115	.0087	-12.636	.6967	.0114	-30.245
	.519	-1.0205	.0043	-74.676	-.2584	.0030	-15.063	.7621	.0038	-17.574
	.579	-1.0358	.0039	110.994	-.2208	.0077	5.702	.8149	.0035	-6.400
	.659	-.9945	.0036	-150.100	.0674	.0038	-23.927	1.0619	.0026	-12.614
	.739	-.7103	.0247	106.101	.2205	.0067	24.944	.9308	.0046	-5.201
	.819	-.2995	.0121	122.601	.3628	.0042	-8.863	.6623	.0246	-38.273
	.899	-.0977	.0098	119.675	.4346	.0049	40.029	.5323	.0152	-45.457
	.974				.2821	.0053	1.026		.0101	-31.937
	.990	.0221	.0027	103.034						
ETA = .871	.025	-.9139	.0014	-168.733	-.0583	.0131	-14.888	.9722	.0144	-12.427
	.084	-1.0099	.0072	-150.476	-.1285	.0092	-25.751	.8814	.0146	-1.767
	.143	-.9950	.0028	-145.539	-.1810	.0093	-23.310	.8141	.0111	-10.932
	.202	-.9896	.0089	-134.503	-.2313	.0149	-28.337	.7583	.0194	-2.145
	.301	-.9904	.0026	-122.074	-.3263	.0262	-3.922	.6641	.0275	8.856
	.354	-.9753	.0061	-110.566	-.2901	.0300	-5.864	.6851	.0321	4.730
	.407	-.9742	.0048	-172.806	-.3101	.0357	9.030	.6841	.0405	8.812
	.460	-1.0122	.0063	-140.920	-.3270	.0511	4.938	.6852	.0564	8.531
	.513	-.9831	.0354	-172.456	-.2735	.0523	13.548	.7096	.0876	11.125
	.566	-.9564	.0176	-149.305	-.2435	.0560	18.111	.7129	.0733	21.110
	.680	-.5959	.2111	170.546	.0596	.0551	17.101	.6555	.2616	-4.050
	.742	-.3204	.1621	167.695	.1359	.0793	14.450	.4562	.2356	-3.591
	.830	-.0897	.0663	-176.785	.3608	.0497	11.090	.4505	.1157	6.591
	.910	-.0285	.0068	157.018	.4140	.0319	29.806	.4425	.0364	21.254
	.975				.3063	.0120	38.788			
	.990	.1066	.0215	166.565						
ETA = .972	.025	-.9441	.0050	-137.432	-.0629	.0201	-1.491	.8812	.0239	6.858
	.092	-1.0354	.0098	-165.017	-.2166	.0157	9.918	.8188	.0255	11.864
	.126				-.2997	.0210	-7.840			
	.160	-1.0712	.0041	-135.020	-.4364	.0190	-17.776	.6710	.0258	-3.612
	.227	-1.1075	.0087	-151.309	-.3570	.0422	13.567	.6264	.0589	-4.998
	.294	-1.0676	.0183	154.916	-.4412	.0299	19.542	.6433	.0478	16.596
	.362	-1.0003	.0180	-168.302	-.3570	.0316	35.310	.3554	.2283	-21.417
	.430	-.6795	.2126	151.444	-.3241	.0227	21.645	-.0824	.0797	6.465
	.497	-.2044	.0581	-179.407	-.2868	.0214	38.587	.0233	.0582	28.834
	.565	-.2007	.0373	-156.744	-.1775	.0138	25.668	.1962	.0490	30.689
	.632	-.2370	.0353	-147.550	-.0841	.0075	82.852	.3361	.0446	31.205
	.700	-.2520	.0404	-157.598	.2279	.0047	76.114	.4394	.0388	25.217
	.767	-.2115	.0360	-160.598	.3083	.0130	174.778	.4854	.0276	16.336
	.835	-.1771	.0400	-170.523	.3283	.0142	161.870	.4586	.0195	21.264
	.902	-.1302	.0318	-175.199	.1868	.0134	-172.846			
	.973									
	.990	.0231	.0122	-159.311						
ETA = .875	.084									
	.143	-1.0410	.0059	-153.559						
	.202	-.9588	.0063	-134.475						
	.301									
	.407	-1.0359	.0042	-127.424						
	.513									
	.680	-.6217	.2353	167.452						
	.830	-.0593	.0625	-171.254						
ETA = .981	.160				-.4141	.0200	-2.873			

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367

POINT NUMBER 823

MACH = 1.851
 $Q = 101.454$ PSF
 DELTA (MEAN) = -.020 DEG

RN = 1.828×10^6
 GAMMA = 1.132
 DELTA (AMPL) = .987 DEG

H = 369.125 PSF
 P = 247.425 PSF
 OSCILLATION FREQUENCY = 19.958 HZ

ALPHA = 2.017 DEG
 CPSTAR = -.336
 K = .543

ANALYZED VALUES : DELTA (MEAN) = .150 DEG DELTA (AMPL) = .971 DEG OSCILLATION FREQUENCY = 19.975 HZ K = .544

	X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-.9969	.0027	-54.073	.0168	.0035	-96.428	1.0137	.0024	-146.830
	.087	-.9534	.0013	149.485	-.1422	.0029	-36.496	.8113	.0042	-34.646
	.148	-.9587	.0022	63.775	-.1915	.0015	-35.498	.7672	.0029	-84.997
	.209	-.9323	.0028	88.808	-.1944	.0045	-23.968	.7379	.0062	-48.781
	.294	-.9404	.0012	68.911	-.2578	.0029	-10.550	.6825	.0029	-34.305
	.350	-.9502	.0008	-81.852	-.2767	.0042	-37.406	.6734	.0037	-28.631
	.407	-.9824	.0004	-134.192	-.2837	.0021	-29.704	.6988	.0022	-19.720
	.463	-1.0081	.0079	156.789	-.2998	.0038	-21.020	.7083	.0117	-22.499
	.519	-1.0200	.0014	-19.144	-.2474	.0036	34.974	.7726	.0030	57.174
	.579	-1.0372	.0018	15.510	-.2090	.0047	6.737	.8282	.0029	1.367
	.659	-.9956	.0016	-15.130	-.0742	.0035	6.334	1.0698	.0021	22.567
	.739	-.7045	.0032	-150.173	.2287	.0021	9.914	.9333	.0052	21.957
	.819	-.2837	.0033	138.952	.3696	.0017	80.161	.6533	.0027	-13.096
	.899	-.0846	.0041	107.254	.4415	.0015	58.037	.5262	.0033	-52.744
	.974				.2912	.0017	29.961			
	.990	.0386	.0044	78.610						
ETA = .871	.025	-.9210	.0021	19.147	.0687	.0052	-64.094	.9897	.0054	-86.928
	.084	-1.0163	.0012	-108.484	-.1168	.0055	-48.795	.8995	.0050	-36.844
	.143	-1.0010	.0007	41.796	-.1721	.0022	-60.029	.8289	.0024	-76.326
	.202	-.9953	.0011	167.954	-.2202	.0063	-22.287	.7751	.0074	-20.769
	.301	-.9934	.0014	-23.903	-.3128	.0097	1.335	.6806	.0085	5.384
	.354	-.9769	.0004	-143.117	-.2778	.0115	2.160	.6990	.0118	3.264
	.407	-.9746	.0007	-38.436	-.2951	.0134	6.014	.6794	.0129	8.190
	.460	-1.0138	.0026	-144.630	-.3120	.0161	11.838	.7018	.0185	15.052
	.513	-.9829	.0097	178.107	-.2578	.0197	24.747	.7251	.0287	16.031
	.566	-.9552	.0056	-179.431	-.2296	.0200	29.879	.7256	.0250	23.892
	.680	-.5707	.0633	152.316	.0676	.0221	24.569	.6383	.0788	-14.870
	.742	-.2837	.0418	149.204	.1441	.0278	17.415	.4278	.0638	-11.833
	.830	-.0774	.0182	-173.890	.3681	.0179	19.363	.4455	.0359	12.681
	.910	-.0115	.0066	170.755	.4228	.0114	28.698	.4344	.0171	14.964
	.975				.3160	.0077	45.599			
	.990	.1208	.0058	154.031						
ETA = .972	.025	-.9504	.0013	-167.138	-.0496	.0101	2.217	.9008	.0114	3.426
	.092	-1.0417	.0031	-162.650	-.2068	.0088	-1.973	.8348	.0118	3.027
	.126				-.2882	.0084	-15.093			
	.160	-1.0760	.0008	-131.886	-.4209	.0079	-18.675	.6903	.0100	-9.212
	.227	-1.1112	.0026	-159.239	-.4191	.0150	5.256	.6456	.0194	-17.189
	.294	-1.0648	.0080	117.096	-.3410	.0145	34.605	.6527	.0128	12.004
	.362	-.9937	.0056	96.316	-.3125	.0128	36.478	.2841	.0752	-63.192
	.430	-.5965	.0784	107.546	-.2769	.0096	47.533	-.0821	.0267	1.153
	.497	-.1948	.0212	162.017	-.1694	.0078	46.480	.0333	.0247	21.248
	.565	-.2027	.0180	-169.396	-.0335	.0058	61.298	.2048	.0217	23.233
	.632	-.2383	.0175	-168.558	.0896	.0038	86.483	.3429	.0190	22.833
	.700	-.2533	.0176	-168.323	.2328	.0029	85.593	.4439	.0160	18.110
	.767	-.2111	.0151	-172.109	.3139	.0043	147.365	.4907	.0104	18.004
	.835	-.1769	.0135	-176.253	.3320	.0058	172.023	.4612	.0062	2.252
	.902	-.1292	.0120	177.328	.1909	.0055	165.937			
	.973									
	.990	.0283	.0050	-177.502						
ETA = .875	.084									
	.143	-1.0458	.0017	145.245						
	.202	-.9650	.0009	-170.736						
	.301									
	.407	-1.0381	.0012	-59.996						
	.513									
	.680	-.5943	.0798	151.453						
	.830	-.0493	.0198	-170.046						
ETA = .981	.160				-.4010	.0090	-2.008			

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367

POINT NUMBER 824

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MACH = .852          RN = 1.828*10E6
Q = 101.540 PSF      GAMMA = 1.132
DELTA (MEAN) = -.055 DEG  DELTA (AMPL) = 2.050 DEG

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H = 369.000 PSF ALPHA = 2.016 DEG
P = 247.150 PSF CPSTAR = -.333
OSCILLATION FREQUENCY = 19.958 HZ K = .543

ANALYZED VALUES : DELTA (MEAN) = .107 DEG DELTA (AMPL) = 2.013 DEG

OSCILLATION FREQUENCY = 19.975 HZ K = .543

	X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025 .087 .148 .209 .294 .350 .407 .463 .513 .579 .659 .739 .819 .899 .974 .990	-.9898 -.9456 -.9352 -.9275 -.9362 -.9459 -.9791 -1.0046 -1.0177 -1.0338 -.9920 -.7065 -.2985 -.0959	.0028 .0006 .0002 .0008 .0012 .0011 .0023 .0075 .0015 .0044 .0014 .0148 .0060 .0028	-3.769 -75.313 -45.459 -55.724 120.813 -99.955 -164.814 173.567 -70.962 24.830 61.226 25.249 40.691 67.858	.0098 -.1489 -.1987 -.2014 -.2664 -.2857 -.2924 -.3084 -.2555 -.2173 .0693 .2230 .3653 .4375 .2837	.0038 .0021 .0045 .0041 .0046 .0039 .0068 .0038 .0065 .0058 .0054 .0041 .0055 .0024 .0033	-103.369 -53.399 -57.113 -43.980 -21.991 -32.997 -33.737 -21.445 -17.384 -25.064 -10.600 -9.289 20.980 -23.382 36.050	.9996 .7966 .7525 .7261 .6699 .6602 .6867 .6961 .7622 .8164 1.0613 .9296 .6638 .5334	.0051 .0025 .0045 .0033 .0056 .0036 .0090 .0112 .0057 .0045 .0051 .0117 .0020 .0037	-136.273 -64.110 -59.573 -41.169 -29.431 -16.732 -19.641 -11.469 -5.241 -73.678 -23.603 -143.248 -73.215 -72.067
ETA = .871	.025 .084 .143 .202 .301 .354 .407 .460 .513 .566 .680 .742 .830 .910 .975 .990	-.9111 -1.0073 -.9922 -.9867 -.9871 -.9715 -.9705 -1.0100 -.9824 -.9552 -.9589 -.9350 -.8841 -.0191	.0016 .0034 .0010 .0032 .0013 .0018 .0014 .0044 .0186 .0110 .1209 .0907 .0422 .0086	148.728 76.604 -176.881 104.133 -91.701 -83.906 -125.910 179.276 -172.981 -169.351 161.920 158.069 177.198 167.201	.0602 -.1251 -.1786 -.2273 -.3221 -.2871 -.3054 -.3226 -.2697 -.2388 .0615 .1393 .3644 .4181 .3114	.0089 .0103 .0077 .0129 .0189 .0226 .0278 .0356 .0409 .0414 .0433 .0569 .0365 .0265 .0098	-51.943 -59.572 -52.706 -44.442 -13.830 -13.539 1.625 -.144 12.013 20.210 16.711 15.828 16.147 25.370 45.610	.9713 .8822 .8136 .7595 .6650 .6844 .6651 .6873 .7127 .7140 .6604 .4543 .4484 .4372	.0104 .0130 .0083 .0157 .0187 .0221 .0287 .0400 .0595 .0523 .1584 .1401 .0776 .0337	-48.834 -70.031 -46.987 -50.535 -9.927 -9.132 3.844 -.208 10.453 18.207 -9.107 -7.529 5.980 16.292
ETA = .972	.025 .092 .126 .160 .227 .294 .362 .430 .497 .565 .632 .700 .767 .835 .902 .973 .990	-.9418 -1.0322 -1.0682 -1.1053 -1.0664 -.9951 -.6806 -.1965 -.1989 -.2354 -.2490 -.2098 -.1770 -.1285	.0027 .0045 .0022 .0025 .0094 .0067 .1267 .0386 .0309 .0307 .0314 .0281 .0266 .0234	130.465 161.945 122.150 111.084 121.662 140.388 126.743 167.769 -167.928 -158.284 -159.912 -162.586 178.824 -173.437	-.0592 -.2137 -.2966 -.4317 -.4357 -.3516 -.3211 -.2825 -.1723 -.0371 -.0875 -.2306 .3117 .3313 .1897	.0179 .0153 .0146 .0163 .0286 .0284 .0234 .0198 .0167 .0128 .0068 .0064 .0074 .0097 .0081	-28.764 -21.775 -29.271 -15.796 -2.918 28.504 29.208 35.383 40.065 48.446 71.945 93.983 149.824 153.571 176.529	.8826 .8185 .6736 .6307 .6435 .3595 -.0860 .0266 .1982 .3366 .4404 .4887 .4598	.0204 .0198 .0179 .0348 .0315 .1318 .0540 .0463 .0425 .0360 .0302 .0204 .0162	-31.448 -20.930 -22.206 -15.765 17.127 -43.121 3.492 21.816 29.497 28.631 29.295 8.930 25.650
ETA = .875	.084 .143 .202 .301 .407 .513 .680 .830	-1.0376 -.9566 -1.0341 -.6241 -.0581	.0038 .0018 .0019 .1367 .0379	132.384 141.027 -108.612 157.747 -178.889						
ETA = .981	.160				-.4100	.0184	-24.051			

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367										
POINT NUMBER	825	MACH = .850	RN = 1.825*10E6	H = 368.800 PSF	ALPHA = 2.016 DEG					
		Q = 101.144 PSF	GAMMA = 1.132	P = 247.550 PSF	CPSTAR = -.340					
		DELTA (MEAN) = -.091 DEG	DELTA (AMPL) = 3.020 DEG	OSCILLATION FREQUENCY = 19.958 HZ	K = .544					
ANALYZED VALUES :		DELTA (MEAN) = .085 DEG	DELTA (AMPL) = 2.938 DEG	OSCILLATION FREQUENCY = 19.975 HZ	K = .545					
	X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-.9991	.0048	-7.883	.0099	.0034	-127.655	1.0090	.0071	-163.424
	.087	-.9545	.0014	163.063	-.1471	.0038	-74.182	.8074	.0047	-59.697
	.148	-.9600	.0012	-67.410	-.1991	.0044	-83.506	.7609	.0033	-89.356
	.209	-.9353	.0021	160.514	-.2006	.0059	-56.556	.7347	.0077	-47.070
	.294	-.9417	.0014	-108.670	-.2664	.0045	-35.556	.6753	.0043	-16.938
	.350	-.9527	.0008	-179.758	-.2844	.0071	-52.295	.6683	.0076	-47.511
	.407	-.9844	.0013	-98.423	-.2919	.0065	-26.595	.6925	.0062	-15.138
	.463	-.9110	.0064	162.455	-.3069	.0087	-23.377	.7041	.0151	-20.744
	.519	-.9235	.0037	-38.485	-.2550	.0081	-6.270	.7686	.0053	-15.378
	.579	-.9410	.0027	-98.487	-.2162	.0082	-16.172	.8248	.0094	-31.952
	.659	-.9014	.0009	-125.838	-.0195	.0071	1.650	1.0709	.0077	-6.985
	.739	-.7192	.0065	83.887	-.2224	.0060	1.302	.9416	.0084	-50.834
	.819	-.9271	.0091	103.315	-.3643	.0069	9.326	.6614	.0118	-40.834
	.899	-.0909	.0060	89.831	-.4368	.0038	-1.327	.5277	.0071	-57.887
	.974				.2848	.0039	23.091			
	.990	.0298	.0088	122.489						
ETA = .871	.025	-.9215	.0025	61.668	.0628	.0103	-57.670	.9843	.0117	-68.379
	.084	-1.0173	.0006	-167.185	-.1244	.0114	-48.466	.8929	.0117	-45.888
	.143	-1.0018	.0004	-24.031	-.1788	.0074	-51.317	.8231	.0070	-52.808
	.202	-.9961	.0002	-65.469	-.2278	.0176	-36.383	.7683	.0174	-36.063
	.301	-.9952	.0021	-52.010	-.3225	.0249	-19.822	.6728	.0231	-17.052
	.354	-.9787	.0014	-69.366	-.2871	.0318	-6.796	.6915	.0312	-4.512
	.407	-.9773	.0017	-53.034	-.3043	.0410	2.825	.6731	.0401	4.838
	.460	-1.0144	.0046	-174.700	-.3229	.0505	3.498	.6915	.0551	3.648
	.513	-.9872	.0291	178.876	-.2678	.0578	14.168	.7194	.0862	9.060
	.566	-.9589	.0166	-164.016	-.2391	.0587	21.785	.7198	.0752	20.507
	.680	-.9877	.2051	159.322	-.0604	.0614	19.459	.6481	.2551	-11.754
	.742	-.9095	.1561	155.677	-.1375	.0809	15.315	.4470	.2244	-11.028
	.830	-.0874	.0630	179.444	-.3627	.0534	14.822	.4501	.1154	6.495
	.910	-.0272	.0062	168.558	.4152	.0347	25.395	.4424	.0398	20.041
	.975				.3094	.0158	41.669			
	.990	.1123	.0156	160.455						
ETA = .972	.025	-.9514	.0042	127.158	-.0582	.0217	-20.529	.8932	.0253	-25.610
	.092	-1.0410	.0044	155.705	-.2142	.0189	-10.327	.8268	.0232	-12.952
	.126				-.2964	.0194	-20.614			
	.160	-1.0766	.0025	110.967	-.4323	.0207	-13.423	.6809	.0215	-14.387
	.227	-1.1132	.0009	142.839	-.4344	.0394	2.234	.6314	.0518	-15.870
	.294	-1.0658	.0189	123.754	-.3526	.0377	28.236	.6483	.0434	15.262
	.362	-1.0009	.0108	143.659	-.3216	.0335	33.749	.3115	.2345	-45.434
	.430	-.6332	.2306	126.363	-.2847	.0293	35.721	-.0787	.0824	-8.60
	.497	-.2059	.0607	164.845	-.1769	.0230	46.362	.0296	.0703	26.681
	.565	-.2064	.0493	-162.359	-.0403	.0161	44.630	.2013	.0647	27.501
	.632	-.2415	.0495	-157.996	-.0845	.0107	78.142	.3404	.0559	32.713
	.700	-.2558	.0490	-156.236	-.2269	.0067	110.486	.4427	.0466	24.915
	.767	-.2158	.0466	-163.326	-.3086	.0136	149.222	.4887	.0299	20.287
	.835	-.1801	.0399	-175.088	.3273	.0159	165.991	.4580	.0225	18.405
	.902	-.1307	.0369	-174.949	.1861	.0146	171.581			
	.973									
	.990	.0243	.0118	-167.864						
ETA = .875	.084	-1.0471	.0008	106.736						
	.143	-.9667	.0012	-82.245						
	.202									
	.301	-1.0409	.0032	-108.008						
	.407									
	.513	-.6085	.2370	151.911						
	.680	-.0600	.0617	-171.755						
	.830									
ETA = .981	.160				-.4098	.0237	-16.507			

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367										
POINT NUMBER 826	MACH = .801	RN = 1.902*10E6	H = 392.400 PSF	ALPHA = 2.018 DEG						
	Q = 99.919 PSF	GAMMA = 1.131	P = 275.025 PSF	CPSTAR = -.482						
	DELTA (MEAN) = -.042 DEG	DELTA (AMPL) = 1.015 DEG	OSCILLATION FREQUENCY = 5.042 HZ	K = .146						
ANALYZED VALUES :	DELTA (MEAN) = .149 DEG	DELTA (AMPL) = .996 DEG	OSCILLATION FREQUENCY = 5.045 HZ	K = .146						
	X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-1.2348	.0029	-29.963	.1065	.0034	173.673	1.3413	.0062	162.807
	.087	-1.1869	.0083	2.620	-.0750	.0032	-161.738	1.0119	.0114	-173.045
	.148	-1.1447	.0062	-3.500	-.1271	.0016	-169.457	1.0175	.0078	-179.367
	.209	-1.0534	.0081	4.801	-.1389	.0054	-154.560	.9145	.0133	-166.965
	.294	-.9709	.0120	-1.267	-.2029	.0035	-166.512	.7680	.0154	-177.951
	.350	-.8481	.0254	-4.337	-.2252	.0022	108.624	.6229	.0263	-171.252
	.407	-.6774	.0053	86.661	-.2298	.0023	-176.475	.4476	.0060	-115.614
	.463	-.7226	.0120	104.895	-.2521	.0027	-114.082	.4705	.0142	-81.973
	.519	-.6943	.0089	160.673	-.2073	.0020	-60.926	.4870	.0105	-26.606
	.579	-.6750	.0041	-171.844	-.1593	.0031	-134.564	.5157	.0025	-40.825
	.659	-.5214	.0002	154.777	.0827	.0016	-88.062	.6040	.0017	-82.056
	.739	-.4361	.0074	148.361	.2299	.0032	-119.847	.6660	.0082	-54.735
	.819	-.3292	.0021	123.144	.3686	.0021	49.438	.6978	.0025	-3.709
	.899	-.1399	.0011	54.169	.4425	.0026	-88.496	.5825	.0035	-99.364
	.974				.2980	.0019	-56.703			
	.990	.0768	.0034	132.136						
ETA = .871	.025	-1.1809	.0065	22.042	.1660	.0051	-123.003	1.3469	.0111	-142.657
	.084	-1.2584	.0078	14.629	-.0393	.0037	-73.148	1.2191	.0085	-139.596
	.143	-1.2105	.0070	22.216	-.1121	.0039	-50.963	1.0983	.0070	-125.335
	.202	-1.1702	.0080	11.207	-.1550	.0046	-59.770	1.0152	.0078	-135.011
	.301	-1.0541	.0072	39.636	-.2475	.0072	-14.027	.8066	.0065	-77.195
	.354	-.7862	.0306	94.163	-.2169	.0093	-10.540	.5693	.0342	-70.572
	.407	-.3529	.0168	166.130	-.2397	.0104	2.867	.1132	.0269	-7.484
	.460	-.4666	.0150	-164.330	-.2567	.0137	2.379	.2098	.0285	9.327
	.513	-.5077	.0255	-164.621	-.2105	.0152	8.900	.2973	.0406	12.960
	.566	-.4897	.0275	-165.060	-.1725	.0176	7.353	.3172	.0450	11.980
	.680	-.3512	.0343	-168.697	.0637	.0208	5.225	.4149	.0550	9.010
	.742	-.2478	.0382	-168.826	.1406	.0270	9.416	.3884	.0652	10.446
	.830	-.2097	.0234	-163.046	.3559	.0175	10.311	.5656	.0408	14.112
	.910	-.0571	.0117	177.895	.3947	.0105	18.652	.4518	.0218	7.706
	.975				.2967	.0053	26.198			
	.990	.1238	.0045	-134.325						
ETA = .972	.025	-1.2016	.0054	37.769	.0406	.0033	-87.010	1.2422	.0078	-121.816
	.092	-1.2679	.0086	49.408	-.1333	.0016	15.894	1.1345	.0073	-123.659
	.126				-.2040	.0038	-46.781			
	.160	-1.1390	.0056	96.888						
	.227	-.8192	.0249	148.292	-.3103	.0039	3.129	.5089	.0282	-27.175
	.294	-.2459	.0024	115.123	-.3017	.0041	-24.264	-.0558	.0061	-39.042
	.362	-.2970	.0092	-148.370	-.2685	.0043	-12.235	.0285	.0127	-18.012
	.430	-.3541	.0086	-144.834	-.2617	.0054	7.390	.0924	.0136	24.512
	.497	-.3606	.0104	-163.615	-.2399	.0060	-.014	.1208	.0162	10.400
	.565	-.3239	.0093	-168.021	-.1901	.0078	11.491	.1338	.0171	11.756
	.632	-.3222	.0106	-172.945	-.0311	.0023	-4.159	.2911	.0120	5.060
	.700	-.2995	.0099	-172.681	.0778	.0020	-1.535	.2971	.0119	5.835
	.767	-.2384	.0098	-159.432	.2296	.0012	-119.452	.4679	.0089	15.605
	.835	-.1870	.0090	179.255	.3112	.0033	-158.805	.4982	.0061	-12.474
	.902	-.1280	.0072	176.573	.3256	.0044	-149.772	.4535	.0043	-38.006
	.973				.1754	.0057	-174.712			
	.990	.0191	.0034	160.479						
ETA = .875	.084									
	.143	-1.2533	.0078	12.267						
	.202	-1.1530	.0085	14.004						
	.301									
	.407	-.4155	.0187	-174.571						
	.513									
	.680	-.3842	.0304	-170.451						
	.830	-.1932	.0250	-171.852						
ETA = .981	.160				-.3011	.0035	21.742			

Table 4. Continued

UNSTEADY PRESSURES -						TDT TEST 367					
POINT NUMBER 828		MACH = .801		RN = 1.903*10E6		H = 392.750 PSF		ALPHA = 2.018 DEG			
		Q = 100.020 PSF		GAMMA = 1.131		P = 275.250 PSF		CPSTAR = -.481			
		DELTA (MEAN) = -.123 DEG		DELTA (AMPL) = 3.043 DEG		OSCILLATION FREQUENCY = 5.042 HZ K = .146					
ANALYZED VALUES :		DELTA (MEAN) = .065 DEG		DELTA (AMPL) = 2.966 DEG		OSCILLATION FREQUENCY = 5.045 HZ K = .146					
	X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE	
ETA = .707	.025	-1.2280	.0087	-3.587	.1046	.0132	-164.768	1.3327	.0216	-172.227	
	.087	-1.1812	.0200	2.970	-.0766	.0083	-162.042	1.1045	.0281	-172.649	
	.148	-1.1412	.0207	4.669	-.1270	.0056	-145.905	1.0142	.0257	-169.191	
	.209	-1.0520	.0186	5.156	-.1405	.0090	-148.300	.9115	.0270	-169.263	
	.294	-.9844	.0324	3.532	-.2039	.0044	-139.295	.7804	.0360	-172.234	
	.350	-.8985	.0573	7.802	-.2258	.0038	-131.508	.6727	.0602	-169.841	
	.407	-.7000	.0229	25.283	-.2289	.0032	-91.436	.4711	.0245	-148.019	
	.463	-.6995	.0282	126.093	-.2228	.0022	-97.391	.4466	.0298	-56.816	
	.519	-.6918	.0360	144.338	-.2056	.0029	-33.936	.4862	.0389	-35.534	
	.579	-.6869	.0461	159.786	-.1606	.0006	-119.810	.5263	.0460	-20.951	
	.659	-.5160	.0111	-167.280	.0840	.0013	-72.252	.6000	.0113	6.133	
	.739	-.4369	.0113	-179.927	.2310	.0006	69.518	.6679	.0115	2.867	
	.819	-.3302	.0074	-168.396	.3703	.0013	18.047	.7005	.0087	12.565	
	.899	-.1399	.0039	-150.994	.4433	.0014	73.780	.5832	.0050	40.398	
	.974					.3004	.0018				
	.990		.0801	.0048	-169.877						
ETA = .871	.025	-1.1743	.0144	7.466	.1632	.0124	-142.935	1.3375	.0259	-158.864	
	.084	-1.2506	.0217	13.607	-.0409	.0056	-116.608	1.2097	.0257	-156.805	
	.143	-1.2048	.0220	17.368	-.1132	.0057	-85.444	1.0916	.0239	-149.195	
	.202	-1.1664	.0275	16.387	-.1576	.0065	-25.808	1.0088	.0231	-152.719	
	.301	-1.0637	.0281	42.632	-.2490	.0171	-8.125	.8146	.0218	-99.906	
	.354	-.8637	.0836	88.308	-.2187	.0198	-4.410	.6450	.0868	-78.525	
	.407	-.4066	.0784	122.477	-.2415	.0255	-.121	.1652	.0946	-44.398	
	.460	-.4371	.0630	-161.300	-.2579	.0350	1.779	.1792	.0970	12.673	
	.513	-.4883	.0665	-160.302	-.2131	.0430	1.122	.2751	.1081	12.420	
	.566	-.4823	.0860	-167.443	-.1760	.0455	4.639	.3063	.1312	9.819	
	.680	-.3425	.0935	-172.186	.0613	.0583	4.446	.4038	.1517	6.521	
	.742	-.2402	.1080	-171.796	.1367	.0735	4.676	.3769	.1814	6.775	
	.830	-.2014	.0683	-171.436	.3508	.0475	3.407	.5521	.1157	6.449	
	.910	-.0603	.0224	-173.281	.3921	.0285	4.444	.4524	.0509	5.445	
	.975				.2946	.0122	-1.492				
	.990		.1231	.0137	-159.614						
ETA = .972	.025	-1.1961	.0157	43.419	.0394	.0085	-113.140	1.2355	.0237	-128.392	
	.092	-1.2634	.0220	46.335	-.1366	.0063	-53.488	1.1269	.0239	-118.608	
	.126				-.2074	.0067	-34.563				
	.160	-1.1490	.0268	116.959							
	.227	-.8683	.0939	145.172	-.3142	.0138	-13.331	.5541	.1069	-32.116	
	.294	-.2607	.0295	136.161	-.3050	.0173	-8.332	-.0443	.0447	-30.857	
	.362	-.2821	.0253	-136.638	-.2712	.0172	3.307	.0110	.0400	27.308	
	.430	-.3457	.0313	-158.133	-.2635	.0205	1.001	.0821	.0510	13.632	
	.497	-.3568	.0329	-167.022	-.2420	.0225	4.924	.1149	.0553	9.708	
	.565	-.3213	.0349	-168.370	-.1904	.0218	2.508	.1309	.0565	8.125	
	.632	-.3209	.0412	-169.729	-.0346	.0116	10.921	.2862	.0528	10.414	
	.700	-.2970	.0392	-172.534	-.0753	.0075	17.166	.3723	.0466	9.020	
	.767	-.2361	.0349	-171.815	.0284	.0015	47.405	.4644	.0361	9.692	
	.835	-.1842	.0315	-176.205	.3103	.0081	178.624	.4945	.0234	5.580	
	.902	-.1251	.0264	-177.952	.3259	.0133	175.883	.4510	.0133	8.235	
	.973				.1751	.0095	176.976				
.990		.0163	.0107	168.663							
ETA = .875	.084	-1.2465	.0217	17.609							
	.143	-1.1486	.0256	19.140							
	.202										
	.301	-.4613	.0922	146.246							
	.407										
ETA = .981	.513	-.3783	.0997	-174.334							
	.680	-.1844	.0699	-173.790							
	.830										
	.160				-.3039	.0093	-15.146				

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367										
POINT NUMBER 829	MACH = .801	RN = 1.901*10E6	H = 392.475 PSF	ALPHA = 2.018 DEG						
	Q = 99.803 PSF	GAMMA = 1.131	P = 275.275 PSF	CPSTAR = -.484						
	DELTA (MEAN) = -.024 DEG	DELTA (AMPL) = 1.035 DEG	OSCILLATION FREQUENCY = 15.010 HZ	K = .434						
ANALYZED VALUES :	DELTA (MEAN) = .154 DEG	DELTA (AMPL) = 1.011 DEG	OSCILLATION FREQUENCY = 15.040 HZ	K = .435						
	X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-1.2328	.0022	27.792	.1039	.0020	23.444	1.3367	.0003	-115.824
	.087	-1.1851	.0030	163.641	-.0768	.0022	70.236	1.1083	.0038	18.690
	.148	-1.1454	.0024	-171.163	-.1282	.0019	19.597	1.0171	.0043	13.590
	.209	-1.0549	.0011	-121.161	-.1399	.0011	18.058	.9150	.0021	38.448
	.294	-.9813	.0023	-151.428	-.2034	.0010	53.607	.7779	.0032	36.091
	.350	-.8831	.0104	-98.132	-.2265	.0034	50.920	.6565	.0134	74.387
	.407	-.6793	.0121	-25.230	-.2293	.0028	53.791	.4500	.0119	141.402
	.463	-.7142	.0105	40.101	-.2534	.0026	31.228	.4608	.0079	-137.004
	.519	-.6996	.0216	41.374	-.2070	.0021	8.027	.4926	.0199	-135.297
	.579	-.6769	.0273	85.924	-.1608	.0022	22.828	.5160	.0264	-89.810
	.659	-.5208	.0153	170.572	-.0824	.0014	64.884	.6032	.0157	-4.515
	.739	-.4411	.0101	-167.794	-.2292	.0025	46.385	.6703	.0122	18.790
	.819	-.3323	.0055	-173.093	.3686	.0020	-1.884	.7009	.0075	4.566
	.899	-.1413	.0038	-140.284	.4410	.0018	-2.250	.5822	.0053	26.532
	.974				.2986	.0005	-15.597			
	.990	.0778	.0025	-154.693						
ETA = .871	.025	-1.1784	.0022	133.261	.1639	.0047	-22.662	1.3423	.0068	-30.282
	.084	-1.2554	.0022	91.546	-.0407	.0046	-5.169	1.2147	.0053	-39.388
	.143	-1.2099	.0019	117.772	-.1124	.0048	-21.050	1.0975	.0064	-32.403
	.202	-1.1701	.0017	95.594	-.1571	.0048	-9.529	1.0131	.0055	-36.908
	.301	-1.0604	.0091	111.761	-.2489	.0074	-2.121	.8115	.0139	-39.016
	.354	-.8431	.0757	109.155	-.2171	.0074	7.194	.6260	.0776	-65.490
	.407	-.3680	.0254	101.576	-.2409	.0108	19.621	.1271	.0262	-54.108
	.460	-.4525	.0259	-148.946	-.2570	.0121	13.314	.1956	.0376	-35.428
	.513	-.4997	.0287	-146.901	-.2104	.0154	13.388	.2893	.0435	-28.443
	.566	-.4878	.0297	-148.051	-.1727	.0176	18.037	.3151	.0470	-28.781
	.680	-.3527	.0347	-162.007	.0622	.0219	18.722	.4149	.0566	-18.275
	.742	-.2480	.0362	-162.383	.1402	.0271	18.539	.3882	.0633	-18.627
	.830	-.2095	.0220	-162.401	.3537	.0176	18.385	.5632	.0396	-18.012
	.910	-.0584	.0098	-173.446	.3932	.0107	35.698	.4516	.0202	-17.948
	.975				.2964	.0038	33.445			16.550
	.990	.1242	.0057	-147.287						
ETA = .972	.025	-1.2002	.0035	177.133	.0395	.0060	32.059	1.2397	.0091	19.328
	.092	-1.2663	.0045	151.278	-.1358	.0064	9.802	1.1305	.0103	-5.974
	.126				-.2065	.0053	2.950			
	.160	-1.1455	.0175	150.670	-.3126	.0050	-6.057	.5368	.0715	-32.393
	.227	-.8494	.0671	145.712	-.3037	.0051	11.290	-.0506	.0220	-14.090
	.294	-.2531	.0175	158.734	-.2703	.0060	36.976	.0212	.0160	72.626
	.362	-.2915	.0117	-89.983	-.2633	.0081	10.829	.0883	.0164	31.258
	.430	-.3513	.0092	-130.905	-.2600	.0081	23.575	.1199	.0191	20.096
	.497	-.3604	.0107	-162.633	-.1905	.0060	5.099	.1333	.0181	15.224
	.565	-.3237	.0122	-156.817	-.0737	.0036	57.327	.2895	.0184	17.295
	.632	-.3233	.0158	-173.132	.0334	.0014	41.184	.3756	.0156	14.128
	.700	-.2002	.0144	-168.406	.2285	.0029	142.221	.4685	.0119	23.218
	.767	-.2400	.0135	-167.611	.3083	.0048	164.747	.4957	.0054	15.215
	.835	-.1873	.0098	-173.166	.3240	.0059	-171.662	.4536	.0032	-4.498
	.902	-.1296	.0091	-174.428	.1728	.0047	172.035			
	.973									
	.990	.0173	.0043	-160.498						
ETA = .875	.084									
	.143	-1.2521	.0018	143.774						
	.202	-1.1524	.0023	120.163						
	.301									
	.407	-.4298	.0344	132.890						
ETA = .981	.513									
	.680	-.3824	.0346	-167.871						
	.830	-.1950	.0240	-159.765						
	.160				-.3023	.0052	27.893			

Table 4. Continued

UNSTEADY PRESSURES -						TDT TEST 367			
POINT NUMBER 830		MACH = .801 Q = 99.983 PSF		RN = 1.902*10E6 GAMMA = 1.131		H = 392.675 PSF P = 275.225 PSF		ALPHA = 2.018 DEG CPSTAR = -.482	
		DELTA (MEAN) = -.078 DEG		DELTA (AMPL) = 2.019 DEG		OSCILLATION FREQUENCY = 15.010 HZ K = .433			
ANALYZED VALUES :		DELTA (MEAN) = .102 DEG		DELTA (AMPL) = 1.985 DEG		OSCILLATION FREQUENCY = 15.025 HZ K = .434			
X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025 .087 .148 .209 .294 .350 .407 .463 .519 .579 .659 .739 .819 .899 .974 .990	-1.2338 -1.1854 -1.1440 -1.0556 -.9815 -.8842 -.6807 -.7158 -.6981 -.6781 -.5210 -.4389 -.3312 -.1411 .0776	.0007 .0056 .0040 .0035 .0087 .0173 .0128 .0242 .0397 .0494 .0231 .0150 .0078 .0032 .0024	100.154 -158.114 -137.960 -168.913 -159.436 -140.090 -22.281 26.681 45.971 104.390 178.901 -163.327 -154.713 -167.495 157.500	.1041 -.0760 -.1274 -.0017 -.1404 -.2036 -.2266 -.2307 -.2526 -.2072 -.1619 -.0834 -.2299 -.2991 .0049 .0048 .0017 .0036 .0053 .0035 .0065 .0048 .0033 -.0034 -.0049 -.0038 -.0035 -.0024	-2.096 23.542 1.749 -20.064 -1.423 26.269 7.215 31.215 31.230 31.230 -4.650 48.529 38.904 -22.713	1.3379 1.1094 1.0166 1.9152 1.7779 1.6576 1.4500 1.4631 1.4909 1.5163 1.6044 1.6688 1.7007 1.5846	.0051 .0104 .0054 .0068 .0138 .0226 .0099 .0188 .0357 .0484 .0258 .0186 .0111 .0056	-9.813 22.651 30.315 -4.714 12.271 36.677 147.116 -144.717 -132.309 -71.304 -7.722 12.410 32.434 24.055
ETA = .871	.025 .084 .143 .202 .301 .354 .407 .460 .513 .566 .680 .742 .830 .910 .975 .990	-1.1783 -1.2557 -1.2101 -1.1698 -1.0614 -.8233 -.3848 -.4560 -.5013 -.4859 -.3505 -.2446 -.2073 -.0573 .1233	.0046 .0060 .0048 .0067 .0190 .1574 .0399 .0426 .0513 .0508 .0630 .0721 .0470 .0221 .0070	132.676 162.942 177.086 135.909 143.902 124.446 121.289 -143.900 -143.035 -149.089 -162.504 -165.101 -165.528 -178.903 -161.534	.1627 -.0404 -.1150 -.1590 -.2498 -.2202 -.2440 -.2593 -.2132 -.2593 -.0607 -.1380 -.3524 -.3931 -.2958 .0106 .0100 .0078 .0097 .0182 .0199 .0212 .0264 .0338 .0365 .0420 .0519 .0370 .0212 .0078	-12.447 -7.681 -2.062 -3.826 -6.340 8.707 11.060 5.438 9.982 19.495 14.557 12.752 14.372 29.815 22.932	1.3410 1.2153 1.0952 1.0109 1.8117 1.6031 1.1408 1.1967 1.2881 1.3105 1.4112 1.3827 1.5597 1.4504	.0146 .0159 .0126 .0154 .0360 .1670 .0512 .0667 .0794 .0869 .1050 .1240 .0840 .0419	-22.817 -11.195 -2.387 -20.122 -21.547 -49.392 -35.871 24.451 25.831 26.141 16.320 14.000 14.428 15.151
ETA = .972	.025 .092 .126 .160 .227 .294 .362 .430 .497 .565 .632 .700 .767 .835 .902 .973 .990	-1.2000 -1.2673 -1.1484 -.8514 -.2620 -.2907 -.3517 -.3613 -.3237 -.3230 -.3003 -.2394 -.1882 -.1291 .0172	.0078 .0143 .0367 .1321 .0320 .0210 .0187 .0180 .0236 .0297 .0265 .0256 .0247 .0210 .0080	161.704 164.551 161.723 154.109 171.514 -74.466 -125.008 -155.379 -164.698 -163.232 -161.731 -167.194 -176.598 -170.525 -178.253	.0383 -.1373 -.2079 -.3152 -.3054 -.2712 -.2644 -.2426 -.1918 -.0350 -.0757 -.2285 -.3097 -.3257 -.1731 .0112 .0109 .0111 .0096 .0113 .0137 .0147 .0137 .0125 .0107 .0051 .0033 .0088 .0112 .0098	7.746 4.860 12.225 7.290 10.403 23.486 22.025 25.644 14.562 37.947 74.279 133.388 164.461 162.926 173.002	1.2383 1.1300 .5361 -.0434 -.0195 .0873 .1187 .1318 .2880 .3760 .4680 .4979 .4548	.0185 .0248 .1402 .0428 .0266 .0320 .0317 .0361 .0399 .0297 .0241 .0166 .0121	-2.906 -6.679 -23.744 -3.588 74.882 40.538 25.063 15.046 22.333 26.467 19.579 13.296 33.982
ETA = .875	.084 .143 .202 .301 .407 .513 .680 .830	-1.2517 -1.1525 -.4485 -.3813 -.1904	.0058 .0070 .0626 .0625 .0487	157.770 155.043 153.933 -169.647 -163.774	-.3039	.0102	22.922		
ETA = .981	.160								

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367

POINT NUMBER 831

MACH = .804
Q = 100.414 PSF
DELTA (MEAN) = -.116 DEG

RN = 1.905*10E6
GAMMA = 1.131
DELTA (AMPL) = 3.026 DEG

H = 392.775 PSF
P = 274.700 PSF
OSCILLATION FREQUENCY = 15.010 HZ

ALPHA = 2.018 DEG
CPSTAR = -.474
K = .432

ANALYZED VALUES : DELTA (MEAN) = .075 DEG DELTA (AMPL) = 2.949 DEG OSCILLATION FREQUENCY = 15.025 HZ K = .433

	X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-1.2297	.0023	-107.279	.1049	.0036	-16.443	1.3346	.0043	15.888
	.087	-1.1795	.0052	-129.729	-.0763	.0059	1.0122	1.1032	.0101	23.985
	.148	-1.1410	.0078	-146.926	-.1271	.0030	-.4066	.0103	.0104	24.613
	.209	-1.0542	.0064	-100.980	-.1392	.0075	1.0139	.9150	.0094	26.713
	.294	-.9835	.0129	-160.857	-.2040	.0056	.7796	.7796	.0184	15.762
	.350	-.9030	.0274	-133.601	-.2254	.0076	.6776	.6776	.0306	32.734
	.407	-.6876	.0116	-86.319	-.2280	.0091	.4597	.4597	.0168	62.563
	.463	-.7042	.0368	2.894	-.2536	.0058	.4506	.4506	.0313	-173.793
	.519	-.6951	.0345	22.101	-.2067	.0090	.4884	.4884	.0457	-155.845
	.579	-.6842	.0696	76.799	-.1597	.0078	.5245	.5245	.0660	-97.357
	.639	-.5180	.0352	159.154	.0838	.0057	.6018	.6018	.0403	-16.748
	.739	-.4337	.0235	178.976	.2310	.0052	.6686	.6686	.0280	4.752
	.819	-.3296	.0124	-172.675	.3721	.0059	.7016	.7016	.0181	1.362
	.899	-.1394	.0069	167.414	.4433	.0068	.5827	.5827	.0129	6.351
	.974			.3016	.0027					
	.990	.0799	.0028	-171.418						
ETA = .871	.025	-1.1749	.0042	-159.665	.1640	.0138	-7.561	1.3389	.0176	-1.158
	.084	-1.2523	.0042	143.478	-.0411	.0146	1.2112	1.2112	.0181	-7.791
	.143	-1.2078	.0060	-163.504	-.1131	.0123	1.0946	.0946	.0178	-3.558
	.202	-1.1691	.0034	157.386	-.1572	.0209	1.0120	1.0120	.0242	-9.308
	.301	-1.0643	.0199	139.591	-.2502	.0237	.8141	.8141	.0407	-17.357
	.354	-.8546	.1435	116.044	-.2190	.0319	1.837	.6356	.1583	-53.202
	.407	-.4086	.0800	105.306	-.2436	.0365	.1650	.1650	.0891	-50.513
	.460	-.4433	.0597	-155.022	-.2594	.0441	.1841	.1841	.1029	18.520
	.513	-.4917	.0687	-155.660	-.2131	.0511	.2786	.2786	.1193	20.007
	.566	-.4778	.0771	-154.535	-.1754	.0529	.3023	.3023	.1298	22.647
	.680	-.3450	.0926	-164.597	.0606	.0680	.4056	.4056	.1606	14.868
	.742	-.2409	.1090	-166.276	.1391	.0766	.3800	.3800	.1856	13.798
	.830	-.2022	.0650	-165.060	.3506	.0539	.5528	.5528	.1589	14.071
	.910	-.0575	.0218	173.030	.3931	.0328	.4507	.4507	.1189	12.441
	.975			.2955	.0128					
	.990	.1216	.0146	-153.854						
ETA = .972	.025	-1.1970	.0116	179.846	.0398	.0209	5.169	1.2368	.0325	3.270
	.092	-1.2637	.0170	162.283	-.1378	.0207	18.570	1.1259	.0358	2.269
	.126				-.2081	.0162	-3.263			
	.160	-1.1541	.0488	156.891	-.3141	.0208	6.770	.5523	.1885	-29.307
	.227	-.8664	.1721	146.612	-.3057	.0174	15.907	-.0349	.0721	-12.893
	.294	-.2708	.0575	158.725	-.2708	.0226	23.974	.0138	.0409	67.565
	.362	-.2846	.0291	-80.057	-.2641	.0227	25.916	.0815	.0484	33.344
	.430	-.3457	.0261	-140.200	-.2430	.0243	19.592	.1134	.0541	19.654
	.497	-.3565	.0298	-160.296	-.1911	.0221	29.603	.1316	.0563	18.796
	.565	-.3226	.0348	-168.043	-.0351	.0145	37.071	.0552	.0552	19.710
	.632	-.3211	.0416	-166.260	.0757	.0108	58.428	.0481	.0481	20.404
	.700	-.2983	.0401	-169.146	.2285	.0057	120.685	.0398	.0398	17.371
	.767	-.2378	.0415	-170.310	.3087	.0130	152.305	.0204	.0204	18.696
	.835	-.1851	.0308	-179.099	.3260	.0182	162.966	.0177	.0177	20.598
	.902	-.1266	.0340	-178.480	.1753	.0112	-178.424			
	.973									
	.990	.0151	.0131	-177.464						
ETA = .875	.084	-1.2489	.0038	-172.178						
	.143	-1.1508	.0064	171.213						
	.202									
	.301	-.4777	.1302	130.014						
	.407									
	.513	-.3781	.0940	-171.903						
	.680	-.1854	.0684	-164.624						
	.830									
ETA = .981	.160				-.3045	.0172	13.743			

Table 4. Continued

U N S T E A D Y P R E S S U R E S - TDT TEST 367										
POINT NUMBER 832	MACH = .800	RN = 1.900*10E6	H = 392.625 PSF	ALPHA = 2.018 DEG						
	Q = 99.777 PSF	GAMMA = 1.131	P = 275.475 PSF	CPSTAR = -.485						
	DELTA (MEAN) = -.020 DEG	DELTA (AMPL) = 1.014 DEG	OSCILLATION FREQUENCY = 20.081 HZ	K = .581						
ANALYZED VALUES :	DELTA (MEAN) = .146 DEG	DELTA (AMPL) = .989 DEG	OSCILLATION FREQUENCY = 20.116 HZ	K = .582						
	X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-1.2379	.0040	-44.463	.1036	.0017	-156.094	1.3416	.0049	154.395
	.087	-1.1904	.0007	-78.019	-.0782	.0033	168.188	1.1122	.0036	158.051
	.148	-1.1461	.0009	62.521	-.1295	.0014	124.179	1.0166	.0013	163.336
	.209	-1.0553	.0019	-96.062	-.1411	.0025	-97.965	.9143	.0006	-103.955
	.294	-.9705	.0009	-131.029	-.2053	.0018	-156.539	.7653	.0011	-177.964
	.350	-.8455	.0062	-22.287	-.2298	.0012	-67.240	.6157	.0054	166.717
	.407	-.6829	.0056	10.882	-.2308	.0035	-86.275	.4521	.0070	-139.205
	.463	-.7297	.0140	106.444	-.2552	.0030	-68.407	.4746	.0170	-72.648
	.519	-.6998	.0155	108.565	-.2104	.0027	-72.049	.4894	.0182	-71.526
	.579	-.6750	.0221	146.997	-.1631	.0009	-38.948	.5119	.0230	-33.235
	.659	-.5249	.0083	-145.097	.0810	.0034	-4.726	.6058	.0111	23.670
	.739	-.4407	.0072	-127.605	.2257	.0045	-62.940	.6664	.0067	14.759
	.819	-.3328	.0063	-137.592	.3672	.0006	-120.039	.6999	.0057	40.598
	.899	-.1423	.0031	-142.535	.4402	.0015	6.749	.5825	.0045	27.564
	.974				.2956	.0014	-18.574			
	.990	.0751	.0019	-108.560						
ETA = .871	.025	-1.1838	.0010	127.960	.1630	.0022	-91.435	1.3468	.0030	-79.384
	.084	-1.2598	.0022	50.828	-.0415	.0032	-20.270	1.2182	.0032	-60.193
	.143	-1.2119	.0012	-21.701	-.1164	.0045	-62.224	1.0955	.0037	-74.485
	.202	-1.1721	.0010	75.161	-.1585	.0044	-53.067	1.0136	.0051	-61.963
	.301	-1.0568	.0072	119.676	-.2513	.0083	-20.729	.8055	.0146	-39.063
	.354	-.7806	.0792	116.967	-.2209	.0111	-17.346	.5597	.0873	-57.814
	.407	-.3527	.0138	142.073	-.2431	.0113	-4.858	.1096	.0241	-23.086
	.460	-.4730	.0259	-145.247	-.2592	.0140	1.255	.2139	.0384	23.133
	.513	-.5126	.0274	-138.063	-.2127	.0177	10.323	.2999	.0435	29.615
	.566	-.4982	.0250	-140.724	-.1760	.0217	14.698	.3222	.0456	27.869
	.680	-.3555	.0313	-149.727	.0597	.0244	8.640	.4152	.0547	20.812
	.742	-.3508	.0365	-156.415	.1376	.0271	16.778	.3885	.0635	20.685
	.830	-.2125	.0208	-159.208	.3526	.0210	19.131	.5651	.0418	19.957
	.910	-.0598	.0068	-169.289	.3921	.0125	15.565	.4519	.0193	13.855
	.975				.2942	.0054	-8.99			
	.990	.1210	.0049	-117.717						
ETA = .972	.025	-1.2066	.0031	99.756	.0380	.0063	-30.061	1.2446	.0086	-46.095
	.092	-1.2718	.0036	135.115	-.1389	.0067	-39.996	1.1329	.0103	-41.704
	.126				-.2098	.0050	-26.114			
	.160	-1.1426	.0139	156.852						
	.227	-.8198	.0538	152.630	-.3141	.0058	-25.608	-.5057	.0596	-27.199
	.284	-.2465	.0099	-162.279	-.3057	.0068	-12.224	-.0592	.0157	4.621
	.362	-.3012	.0117	-85.169	-.2722	.0070	12.397	-.0290	.0142	65.460
	.430	-.3597	.0098	-126.814	-.2650	.0089	9.401	.0947	.0174	32.402
	.497	-.3643	.0081	-150.091	-.2433	.0109	11.840	.1210	.0188	19.532
	.565	-.3277	.0084	-134.357	-.0943	.0094	10.593	.1334	.0170	27.086
	.632	-.3277	.0135	-148.351	-.0356	.0052	17.494	.2920	.0186	27.726
	.700	-.3033	.0121	-162.527	.0730	.0029	66.057	.3763	.0142	26.291
	.767	-.2421	.0100	-168.532	.2266	.0023	88.348	.4688	.0108	23.486
	.835	-.1905	.0077	-167.492	.3072	.0013	138.380	.4977	.0070	21.142
	.902	-.1319	.0071	-164.026	.3225	.0039	175.083	.4545	.0037	37.891
	.973				.1712	.0028	-179.559			
	.990	.0197	.0033	-170.578						
ETA = .875	.084	-1.2547	.0017	49.474						
	.143	-1.1561	.0018	66.159						
	.202									
	.301	-.4296	.0258	173.053						
	.407									
	.513	-.3860	.0300	-164.283						
	.680	-.1961	.0258	-149.390						
	.830									
ETA = .981	.160				-.3047	.0049	-13.728			

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367										
POINT NUMBER 833	MACH = .802	RN = 1.904*10E6	H = 392.925 PSF	ALPHA = 2.018 DEG						
	Q = 100.217 PSF	GAMMA = 1.131	P = 275.150 PSF	CPSTAR = -.478						
	DELTA (MEAN) = -.064 DEG	DELTA (AMPL) = 2.037 DEG	OSCILLATION FREQUENCY = 20.122 HZ	K = .580						
ANALYZED VALUES :	DELTA (MEAN) = .102 DEG	DELTA (AMPL) = 2.004 DEG	OSCILLATION FREQUENCY = 20.121 HZ	K = .580						
	X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-1.2316	.0032	19.298	.1037	.0012	8.622	1.3353	.0020	-154.424
	.087	-1.1830	.0024	-115.196	-.0769	.0009	25.796	1.1060	.0032	54.446
	.148	-1.1440	.0019	-119.009	-.1279	.0009	12.381	1.0161	.0026	45.849
	.209	-1.0557	.0040	-111.071	-.1401	.0038	-16.171	.9156	.0057	27.727
	.294	-.9822	.0059	-116.957	-.2044	.0031	-7.561	.7778	.0075	40.164
	.350	-.8944	.0103	-135.441	-.2270	.0035	8.374	.6674	.0133	35.612
	.407	-.6780	.0084	-76.028	-.2294	.0039	-19.086	.4486	.0071	35.448
	.463	-.7072	.0019	31.640	-.2543	.0041	-24.780	.4529	.0034	35.216
	.519	-.7009	.0210	1.938	-.2068	.0047	-5.957	.4940	.0164	-175.800
	.579	-.6849	.0355	34.500	-.1611	.0037	-14.647	.5238	.0332	-140.664
	.659	-.5196	.0270	126.079	.0827	.0021	-1.179	.6023	.0283	-50.538
	.739	-.4404	.0167	169.438	.2303	.0036	1.756	.6707	.0202	-8.386
	.819	-.3314	.0103	-174.863	.3698	.0026	23.491	.7012	.0128	-8.806
	.899	-.1402	.0051	-177.263	.4422	.0037	26.133	.5824	.0086	12.548
	.974				.3005	.0016	19.878			
	.990	.0783	.0008	156.859						
ETA = .871	.025	-1.1763	.0008	-138.442	-.1640	.0062	-17.677	1.3403	.0066	-11.739
	.084	-1.2543	.0014	-172.187	-.0409	.0061	-16.692	1.2133	.0074	-12.189
	.143	-1.2099	.0004	-64.120	-.1132	.0067	-24.805	1.0968	.0064	-12.534
	.202	-1.1705	.0006	-144.669	-.1572	.0093	-25.917	.8127	.0099	-12.486
	.301	-1.0627	.0100	101.165	-.2500	.0164	-8.889	.8127	.0219	-12.964
	.354	-.8535	.0934	98.147	-.2181	.0188	-1.161	.6354	.0982	-38.752
	.407	-.3811	.0358	85.296	-.2435	.0235	4.677	.6376	.0395	-38.300
	.460	-.4488	.0517	-179.743	-.2590	.0280	7.285	.1376	.0797	-12.725
	.513	-.4961	.0610	-162.524	-.2117	.0334	8.492	.2844	.0944	-12.320
	.566	-.4859	.0666	-156.467	-.1755	.0369	18.760	.3104	.1044	-11.832
	.680	-.3475	.0702	-161.122	.0604	.0458	13.590	.3080	.1056	-16.791
	.742	-.2440	.0781	-161.737	.1393	.0537	14.950	.3834	.1317	-16.913
	.830	-.2064	.0459	-160.705	.3518	.0367	22.445	.3581	.0826	-13.524
	.910	-.0569	.0225	-176.390	.3930	.0238	22.891	.4499	.0456	
	.975				.2965	.0090	26.384			
	.990	.1236	.0101	-158.264						
ETA = .972	.025	-1.1981	.0047	103.915	.0376	.0071	-13.183	1.2357	.0101	-37.543
	.092	-1.2640	.0060	102.510	-.1389	.0099	-7.796	1.1251	.0132	-32.952
	.126				-.2085	.0089	-9.433			
	.160	-1.1493	.0302	137.628	-.3150	.0095	-9.474	.5448	.1179	-39.978
	.227	-.8598	.1098	137.504	-.3059	.0117	4.813	.0462	.0416	-20.254
	.294	-.2597	.0314	150.662	-.2706	.0138	18.373	.0179	.0344	-30.168
	.362	-.2885	.0238	-112.044	-.2641	.0132	16.539	.0857	.0383	-30.533
	.430	-.3498	.0238	-140.583	-.2431	.0132	20.153	.1162	.0392	-20.058
	.497	-.3592	.0239	-160.003	-.1914	.0107	18.032	.1325	.0383	-21.014
	.565	-.3239	.0246	-157.326	-.0747	.0086	44.227	.2877	.0378	-24.513
	.632	-.3223	.0280	-162.893	.2286	.0045	36.571	.3744	.0302	-25.623
	.700	-.2997	.0262	-162.265	.3087	.0046	39.904	.4675	.0265	-28.717
	.767	-.2389	.0251	-160.795	.3236	.0107	30.610	.4950	.0153	-37.487
	.835	-.1863	.0212	-168.717	.2236	.0107	15.691	.4527	.0106	37.521
	.902	-.1291	.0185	-172.481	.1744	.0071	-177.604			
	.973									
	.990	.0190	.0081	-175.823						
ETA = .875	.084									
	.143	-1.2504	.0009	-168.006						
	.202	-1.1523	.0011	141.902						
	.301									
	.407	-.4520	.0717	107.202						
	.513									
	.680	-.3816	.0665	-168.456						
	.830	-.1897	.0508	-155.107						
ETA = .981	.160				-.3035	.0088	4.784			

Table 4. Continued

UNSTEADY PRESSURES -					TDT TEST 367					
POINT NUMBER	834	MACH = .800	RN = 1.901*10E6	H = 392.775 PSF	ALPHA = 2.018 DEG					
		Q = 99.852 PSF	GAMMA = 1.131	P = 275.525 PSF	CPSTAR = -.485					
		DELTA (MEAN) = -.082 DEG	DELTA (AMPL) = 2.989 DEG	OSCILLATION FREQUENCY = 20.081 HZ	K = .581					
ANALYZED VALUES :		DELTA (MEAN) = .074 DEG	DELTA (AMPL) = 2.907 DEG	OSCILLATION FREQUENCY = 20.101 HZ	K = .581					
	X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-1.2580	.0045	-9.449	.1028	.0019	-38.019	1.3608	.0030	-171.657
	.087	-1.2048	.0024	-75.794	-.0784	.0018	-94.091	1.1264	.0009	143.481
	.148	-1.1582	.0023	-42.042	-.1312	.0027	-31.834	1.0271	.0006	11.213
	.209	-1.0576	.0020	-74.960	-.1435	.0060	-32.232	.9141	.0047	-15.559
	.294	-.9531	.0044	60.469	-.2071	.0054	-35.932	.7460	.0073	-72.518
	.350	-.7280	.0149	86.745	-.2315	.0058	-27.952	.4965	.0181	-76.336
	.407	-.7184	.0134	-162.266	-.2330	.0076	-36.853	.4854	.0189	-1.449
	.463	-.7420	.0112	-108.780	-.2387	.0063	-23.830	.4833	.0124	40.700
	.519	-.6824	.0352	-8.305	-.2134	.0066	-16.647	.4690	.0287	173.607
	.579	-.6767	.0373	56.126	-.1665	.0066	-12.545	.5102	.0354	-113.883
	.659	-.5293	.0306	131.388	-.0757	.0043	1.783	.6050	.0335	-42.938
	.739	-.4410	.0175	168.657	.2219	.0059	-11.485	.6629	.0234	-11.779
	.819	-.3353	.0114	179.341	.3631	.0041	6.793	.6984	.0155	1.310
	.899	-.1446	.0050	-159.088	.4361	.0059	13.924	.5807	.0109	17.129
	.974				.2920	.0035	-11.041			
	.990	.0679	.0040	164.128						
ETA = .871	.025	-1.2004	.0005	-48.335	.1629	.0096	-36.222	1.3634	.0091	-35.563
	.084	-1.2760	.0015	52.515	-.0435	.0090	-24.629	1.2325	.0088	-34.207
	.143	-1.2269	.0006	25.852	-.1166	.0093	-21.602	1.1103	.0089	-24.447
	.202	-1.1795	.0032	63.551	-.1613	.0150	-26.150	1.0182	.0153	-38.206
	.301	-1.0377	.0351	92.907	-.2349	.0245	-11.577	.7828	.0476	-57.178
	.354	-.5649	.1727	92.560	-.2339	.0290	-3.973	.3410	.1783	-78.143
	.407	-.3831	.0381	141.685	-.2490	.0345	4.104	.1341	.0677	-18.208
	.460	-.5143	.0801	-175.187	-.2646	.0407	2.963	.2497	.1208	4.390
	.513	-.5355	.0829	-161.658	-.1811	.0465	9.989	.3174	.1291	15.342
	.566	-.5066	.0883	-156.251	-.1820	.0528	21.044	.3246	.1411	22.737
	.680	-.3562	.0941	-161.190	-.0538	.0666	14.769	.4100	.1606	17.335
	.742	-.2519	.1106	-162.507	-.1314	.0786	15.141	.3833	.1892	16.516
	.830	-.2086	.0642	-160.519	.3445	.0549	16.270	.5531	.1191	18.001
	.910	-.0628	.0173	-173.664	.3853	.0349	23.625	.4481	.0517	17.915
	.975				.2865	.0137	26.271			
	.990	.1103	.0185	-170.053						
ETA = .972	.025	-1.2212	.0075	119.998	.0358	.0134	-10.876	1.2570	.0192	-28.087
	.092	-1.2843	.0118	125.548	-.1403	.0147	-9.667	1.1441	.0245	-29.478
	.126				-.2113	.0144	-6.726			
	.160	-1.1413	.0306	140.998						
	.204	-.7176	.1731	132.797	-.3167	.0145	-6.791	.4009	.1844	-44.281
	.254	-.2601	.0209	-153.114	-.3070	.0182	2.294	-.0469	.0382	15.452
	.302	-.3279	.0369	-113.874	-.2552	.0200	17.185	.0527	.0523	49.354
	.350	-.3711	.0335	-143.679	-.2694	.0218	11.067	.1017	.0540	26.407
	.407	-.3708	.0321	-163.211	-.2490	.0217	18.388	.1218	.0538	17.434
	.457	-.33308	.0331	-160.318	-.1983	.0202	21.538	.1325	.0533	20.385
	.505	-.33283	.0402	-161.293	-.0409	.0154	41.878	.2874	.0547	25.068
	.552	-.3046	.0373	-161.424	.0680	.0098	58.406	.3726	.0453	26.548
	.600	-.2433	.0348	-161.252	.2227	.0076	89.591	.4665	.0380	29.644
	.647	-.1911	.0302	-173.234	.3041	.0124	147.167	.4932	.0221	27.714
	.692	-.1329	.0276	-176.040	.3202	.0160	156.480	.4531	.0153	32.805
	.733				.1677	.0096	177.959			
	.990	.0133	.0133	177.511						
ETA = .875	.084	-1.2687	.0026	91.287						
	.143	-1.1648	.0055	74.761						
	.202									
	.301	-.4853	.0767	170.728						
	.407									
	.513	-.3884	.0967	-169.887						
	.680	-.1911	.0676	-156.282						
	.830									
ETA = .981	.160				-.3051	.0123	-.840			

Table 4. Continued

U N S T E A D Y P R E S S U R E S - TDT TEST 367

POINT NUMBER 837

MACH = .800 RN = 1.900*10E6
Q = 99.687 PSF GAMMA = 1.131
DELTA (MEAN) = -.020 DEG DELTA (AMPL) = 1.047 DEG

H = 392.575 PSF ALPHA = -.005 DEG
P = 275.550 PSF CPSTAR = -.487
OSCILLATION FREQUENCY = 5.000 HZ K = .145

ANALYZED VALUES : DELTA (MEAN) = .145 DEG DELTA (AMPL) = 1.019 DEG

OSCILLATION FREQUENCY = 5.013 HZ K = .145

	X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025 .087 .148 .209 .269 .330 .407 .463 .525 .589 .653 .714 .774 .839 .899 .960	-.8985 -.6591 -.6589 -.6589 -.6589 -.6589 -.6589 -.6589 -.6589 -.6589 -.6589 -.6589 -.6589 -.6589 -.6589 -.6589	-.0076 -.0039 -.0051 -.0026 -.0027 -.0025 -.0039 -.0060 -.0014 -.0037 -.0031 -.0031 -.0037 -.0037 -.0037 -.0034	8.567 22.288 12.273 9.167 24.823 113.861 55.654 62.643 173.203 155.245 141.004 179.847 -156.816 -176.710	-.2274 -.3109 -.3187 -.2923 -.3324 -.3374 -.3246 -.3335 -.2796 -.1977 -.0527 -.2145 -.3637 -.4366 -.3047	.0079 .0055 .0047 .0044 .0009 .0011 .0017 .0030 .0024 .0063 .0006 .0014 .0013 .0025 .0007	-162.300 -164.183 -160.406 -138.578 -135.389 -85.433 -33.574 -37.479 -59.400 -9.109 -41.153 -84.148 11.127 -7.084 38.733	.6711 .3482 .3403 .2824 .2973 .2927 .3367 .3192 .3356 .4238 .5757 .6678 .7190 .5996	.0155 .0094 .0098 .0067 .0036 .0036 .0042 .0072 .0034 .0099 .0037 .0035 .0050 .0059	-166.778 -161.499 -164.216 -150.814 -150.267 -72.004 -100.672 -93.011 -40.510 -14.886 -39.346 -23.366 20.057 -1.104
ETA = .871	.025 .084 .143 .202 .261 .320 .380 .440 .500 .560 .620 .680 .740 .800 .860 .920 .980	-.7388 -.6965 -.6236 -.6194 -.6141 -.6141 -.6141 -.6141 -.6141 -.6141 -.6141 -.6141 -.6141 -.6141 -.6141 -.6141	-.0127 -.0074 -.0059 -.0041 -.0053 -.0062 -.0082 -.0183 -.0202 -.0288 -.0327 -.0365 -.0248 -.0063	23.688 48.269 49.154 82.551 160.513 153.416 161.564 -166.659 -177.584 -179.674 -173.171 -170.258 -167.348 -173.165	-.1676 -.2734 -.2911 -.3091 -.3631 -.3143 -.3215 -.3253 -.2709 -.2375 -.0419 -.1287 -.3569 -.4115 -.3069	.0093 .0046 .0037 .0034 .0065 .0076 .0112 .0136 .0155 .0183 .0188 .0270 .0167 .0115 .0047	-127.825 -116.839 -101.829 -44.641 -12.857 -10.032 5.145 3.041 11.204 5.565 11.610 8.158 6.979 10.406 28.953	.5703 .4231 .3325 .3104 .1810 .2184 .1495 .2452 .3040 .2903 .4053 .3835 .5772 .4771	.0213 .0119 .0093 .0067 .0118 .0137 .0190 .0318 .0356 .0471 .0515 .0635 .0415 .0178	-144.315 -126.032 -119.731 -73.698 -15.834 -17.463 -4.797 8.952 6.230 2.361 8.574 9.068 10.370 9.142
ETA = .972	.025 .084 .143 .202 .261 .320 .380 .440 .500 .560 .620 .680 .740 .800 .860 .920 .980	-.7866 -.6713 -.7316 -.5777 -.3293 -.3826 -.3781 -.3563 -.3074 -.3030 -.2788 -.2093 -.1515 -.0914	-.0108 -.0059 -.0086 -.0140 -.0009 -.0066 -.0096 -.0123 -.0117 -.0121 -.0129 -.0094 -.0086 -.0067	59.288 111.747 139.744 162.867 26.199 -173.252 -157.304 -167.331 -161.200 -163.290 -166.133 -164.792 -173.568 -179.568	-.2809 -.3207 -.3644 -.3829 -.3460 -.2965 -.2795 -.2598 -.1675 -.0374 -.0908 -.2430 -.3293 -.3535 -.2010	.0071 .0038 .0044 .0056 .0070 .0076 .0080 .0074 .0077 .0065 .0039 .0014 .0019 .0037 .0034	-100.884 -59.260 -18.967 -24.756 -5.718 -7.590 -2.750 5.360 18.312 20.946 8.935 106.143 174.613 -173.080 177.620	.5057 .3506 .1949 -.0167 .0861 .0986 .0965 .1399 .2656 .3697 .4525 .4808 .4449	.0176 .0097 .0196 .0063 .0141 .0172 .0197 .0194 .0186 .0168 .0095 .0068 .0031	-112.867 -64.732 -19.309 -10.082 -.928 11.149 9.925 18.607 18.190 12.723 23.698 9.737 -7.441
ETA = .875	.084 .143 .202 .261 .320 .380 .440 .500 .560 .620 .680 .740 .800 .860 .920 .980	-.6942 -.5902 -.6153 -.3967 -.2023	-.0049 -.0040 -.0066 -.0296 -.0250	44.984 66.846 129.309 -175.476 -169.555						
ETA = .981	.160				-.3863	.0040	-15.012			

Table 4. Continued

UNSTEADY PRESSURES -					TDT TEST 367					
POINT NUMBER 838	MACH = .801	Q = 99.919 PSF	RN = 1.903*10E6	GAMMA = 1.131	H = 392.725 PSF	P = 275.375 PSF	ALPHA = -.004 DEG	CPSTAR = -.483	K = .144	
	DELTA (MEAN) = -.029 DEG		DELTA (AMPL) = 1.999 DEG		OSCILLATION FREQUENCY = 5.000 HZ					
ANALYZED VALUES :	DELTA (MEAN) = .103 DEG		DELTA (AMPL) = 1.959 DEG		OSCILLATION FREQUENCY = 5.008 HZ				K = .145	
	X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-.8909	.0151	8.112	-.2343	.0142	-166.707	.6567	.0293	-169.377
	.087	-.6570	.0091	6.790	-.3167	.0077	-162.572	.3403	.0167	-168.335
	.148	-.6619	.0106	2.778	-.3233	.0080	-158.958	.3365	.0186	-155.091
	.209	-.6792	.0087	3.339	-.3233	.0056	-163.981	.2972	.0091	-147.806
	.294	-.6332	.0048	4.472	-.3360	.0047	-163.981	.2972	.0072	-118.055
	.350	-.6348	.0058	5.921	-.3407	.0014	-106.652	.3394	.0059	-119.824
	.407	-.6695	.0059	5.921	-.3301	.0009	-140.489	.3374	.0144	-119.824
	.463	-.6644	.0136	6.222	-.3368	.0013	-69.844	.3276	.0058	-61.217
	.519	-.6314	.0050	1.339	-.2851	.0021	-117.735	.3463	.0171	-23.061
	.579	-.6343	.0088	1.455	-.2010	.0086	-11.738	.4332	.0100	-9.002
	.659	-.6553	.0101	1.697	.0453	.0006	-107.513	.5718	.0070	-13.639
	.739	-.4551	.0059	1.741	.2102	.0012	-30.711	.6653	.0088	-9.002
	.819	-.3609	.0085	-1.744	.3582	.0008	-68.272	.7191	.0051	-21.909
	.899	-.1679	.0043	-1.742	.4314	.0024	-78.056	.5993	.0051	-21.909
	.974				.3000	.0019	1.525			
	.990	.0855	.0021	157.645						
ETA = .871	.025	-.7332	.0260	19.017	-.1729	.0159	-146.624	.5603	.0416	-155.543
	.084	-.6972	.0130	34.944	-.2776	.0062	-125.159	.4196	.0189	-138.662
	.143	-.6249	.0115	46.204	-.2957	.0062	-104.840	.3291	.0172	-123.739
	.202	-.6244	.0089	81.029	-.3125	.0066	-44.195	.3119	.0138	-79.939
	.301	-.5535	.0157	148.604	-.3685	.0125	-20.720	.1850	.0281	-26.666
	.354	-.5323	.0144	161.459	-.3188	.0175	-6.364	.2135	.0317	-11.833
	.407	-.4707	.0153	157.119	-.3247	.0182	-2.176	.1460	.0330	-1.623
	.460	-.5743	.0305	176.313	-.3275	.0270	1.384	.2468	.0574	-1.306
	.513	-.5744	.0429	178.164	-.2740	.0295	4.086	.3004	.0724	2.733
	.566	-.5267	.0585	-1.774	-.3264	.0329	7.246	.2902	.0913	4.227
	.680	-.3592	.0671	-1.733	.0416	.0384	4.200	.4008	.1055	5.880
	.742	-.2493	.0727	-1.744	.1287	.0526	5.486	.3780	.1253	5.486
	.830	-.2161	.0509	-1.722	.3555	.0340	5.779	.5715	.0849	6.530
	.910	-.0673	.0152	177.341	.4109	.0219	4.635	.4782	.0370	1.648
	.975				.3070	.0081	9.799			
	.990	.1186	.0081	-173.380						
ETA = .972	.025	-.7776	.0247	66.627	-.2809	.0128	-106.510	.4967	.0374	-111.031
	.092	-.6669	.0103	98.049	-.3200	.0087	-71.565	.3469	.0189	-77.196
	.126				-.3651	.0090	-61.054			
	.160	-.7359	.0175	149.467	-.3834	.0108	-24.021	.2088	.0412	-16.827
	.227	-.5923	.0305	165.715	-.3469	.0115	-11.352	-.0203	.0207	-12.936
	.294	-.3266	.0092	165.083	-.2969	.0147	3.184	.0856	.0305	-2.686
	.362	-.3825	.0159	171.888	-.2790	.0141	2.051	.0973	.0334	4.231
	.430	-.3763	.0193	-1.741	-.2601	.0180	3.653	.0968	.0381	5.644
	.497	-.3569	.0201	-1.722	-.1674	.0183	9.967	.1406	.0409	8.618
	.565	-.3019	.0233	-1.713	-.0372	.0118	3.332	.2647	.0351	6.887
	.632	-.2779	.0226	-1.733	.0910	.0075	6.160	.3689	.0301	6.658
	.700	-.2094	.0180	-1.700	.2421	.0022	48.245	.4515	.0198	13.729
	.767	-.1507	.0153	-1.733	.3285	.0044	173.190	.4792	.0111	12.097
	.835	-.0921	.0130	-1.733	.3506	.0066	176.902	.4427	.0066	15.781
	.902				.1998	.0069	172.536			
	.973	.0409	.0021	-173.948						
	.990									
ETA = .875	.084	-.6941	.0077	68.246						
	.143	-.5943	.0118	69.754						
	.202									
	.301	-.6140	.0169	160.187						
	.407									
	.513	-.3933	.0644	-174.331						
	.680	-.1989	.0509	-175.205						
	.830									
ETA = .981	.160				-.3870	.0088	-33.910			

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367

POINT NUMBER 839

MACH = .800
 Q = 99.816 PSF
 DELTA (MEAN) = -.034 DEG
 RN = 1.902*10E6
 GAMMA = 1.131
 DELTA (AMPL) = 3.042 DEG

H = 392.750 PSF
 P = 275.550 PSF
 OSCILLATION FREQUENCY = 5.000 HZ
 ALPHA = -.004 DEG
 CPSTAR = -.485
 K = .145

ANALYZED VALUES : DELTA (MEAN) = .056 DEG DELTA (AMPL) = 2.973 DEG OSCILLATION FREQUENCY = 5.008 HZ K = .145

	X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-.8844	.0216	5.839	-.2357	.0213	-167.315	.6488	.0428	-170.762
	.087	-.6543	.0137	19.183	-.3184	.0137	-148.633	.3359	.0272	-154.725
	.148	-.6618	.0176	21.626	-.3258	.0101	-153.631	.3360	.0277	-156.645
	.209	-.5807	.0096	22.096	-.2943	.0102	-148.759	.2864	.0197	-153.193
	.294	-.6326	.0096	39.296	-.3363	.0078	-154.500	.2963	.0173	-146.885
	.350	-.6347	.0054	72.491	-.3412	.0054	-121.208	.2935	.0107	-114.359
	.407	-.6723	.0085	58.879	-.3306	.0045	-129.530	.3417	.0130	-124.029
	.463	-.6730	.0117	75.623	-.3376	.0043	-63.386	.3354	.0152	-93.641
	.519	-.6384	.0110	146.382	-.2859	.0032	-104.602	.3525	.0124	-47.720
	.579	-.6343	.0109	157.702	-.1988	.0155	-2.476	.4355	.0260	-10.643
	.659	-.5247	.0152	172.539	.0471	.0017	-56.441	.5718	.0164	-11.956
	.739	-.4544	.0104	-170.220	.2118	.0052	-33.175	.6662	.0146	-4.226
	.819	-.3588	.0102	177.829	.3600	.0031	-60.010	.7188	.0121	-14.658
	.899	-.1680	.0092	-173.560	.4338	.0043	-17.332	.6018	.0132	-1.077
	.974				.3015	.0021	-33.031			
	.990	.0894	.0009	64.392						
ETA = .871	.025	-.7283	.0384	14.217	-.1758	.0221	-141.472	.5524	.0592	-156.949
	.084	-.6955	.0213	37.318	-.2809	.0153	-127.968	.4146	.0363	-136.537
	.143	-.6251	.0166	43.891	-.2969	.0071	-110.705	.3283	.0232	-128.569
	.202	-.6256	.0144	73.536	-.3148	.0112	-53.992	.3108	.0230	-83.754
	.301	-.5600	.0227	144.137	-.3705	.0193	-17.373	.1895	.0415	-27.373
	.354	-.5325	.0215	155.926	-.3214	.0240	-9.619	.2111	.0451	-16.419
	.407	-.4696	.0223	150.497	-.3271	.0329	-4.372	.1425	.0539	-14.487
	.460	-.5761	.0485	179.574	-.3314	.0404	-6.839	.2447	.0888	-3.340
	.513	-.5759	.0663	-179.458	-.2767	.0467	2.060	.2993	.1130	1.169
	.566	-.5289	.0870	-175.573	-.2353	.0539	3.975	.2936	.1409	4.254
	.680	-.3567	.0990	-172.822	.0431	.0596	4.724	.3999	.1586	6.264
	.742	-.2495	.1146	-173.315	.1291	.0802	4.813	.3787	.1948	5.914
	.830	-.2115	.0738	-174.098	.3538	.0507	4.633	.5653	.1245	5.385
	.910	-.0696	.0166	-170.523	.4108	.0312	3.128	.4803	.0477	5.382
	.975				.3059	.0100	14.860			
	.990	.1201	.0105	-169.074						
ETA = .972	.025	-.7769	.0390	61.780	-.2841	.0197	-101.457	.4928	.0581	-112.612
	.092	-.6674	.0161	104.507	-.3231	.0133	-76.656	.3443	.0294	-76.019
	.126				-.3691	.0132	-52.995			
	.160	-.7422	.0262	145.771	-.3872	.0168	-25.372	.2189	.0631	-19.730
	.227	-.6061	.0464	162.309	-.3483	.0190	-7.112	.0228	.0280	-7.416
	.294	-.3254	.0090	171.756	-.2991	.0203	-2.189	.0831	.0427	-2.146
	.362	-.3822	.0224	177.892	-.2815	.0233	.619	.0982	.0529	3.046
	.430	-.3797	.0296	-175.043	-.2619	.0250	.610	.0982	.0582	3.046
	.497	-.3574	.0332	-176.460	-.1681	.0258	8.573	.1399	.0592	8.409
	.565	-.3076	.0334	-171.717	-.0387	.0174	.954	.2639	.0559	5.615
	.632	-.3027	.0386	-172.285	.0911	.0105	10.357	.3601	.0462	9.032
	.700	-.2760	.0357	-171.358	.2428	.0035	30.796	.4506	.0332	9.853
	.767	-.2081	.0300	-172.537	.3291	.0068	-179.274	.4791	.0182	1.623
	.835	-.1501	.0250	-178.621	.3511	.0111	-176.297	.4425	.0099	7.274
	.902	-.0914	.0210	-174.613	.1999	.0114	-177.981			
	.973									
	.990	.0444	.0053	179.346						
ETA = .875	.084	-.6954	.0121	63.036						
	.143	-.5976	.0154	59.806						
	.202									
	.301	-.6144	.0268	163.488						
	.407									
	.513	-.3896	.0991	-175.681						
	.680	-.1937	.0719	-173.314						
	.830									
ETA = .981	.160				-.3923	.0127	-35.127			

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367										
POINT NUMBER 840	MACH = 801	RN = 1.903*10E6	H = 392.900 PSF	ALPHA = -.004 DEG						
	Q = 99.977 PSF	GAMMA = 1.131	P = 275.475 PSF	CPSTAR = -.483						
	DELTA (MEAN) = -.009 DEG	DELTA (AMPL) = 1.038 DEG	OSCILLATION FREQUENCY = 14.990 HZ	K = .433						
ANALYZED VALUES :	DELTA (MEAN) = .150 DEG	DELTA (AMPL) = 1.013 DEG	OSCILLATION FREQUENCY = 15.040 HZ	K = .435						
	UPPER CP	UPPER CP	UPPER CP	LOWER CP	LOWER CP	LOWER CP	DELTA CP	DELTA CP	DELTA CP	
	X/C	MEAN	MAGNITUDE	PHASE	MEAN	MAGNITUDE	PHASE	MEAN	MAGNITUDE	PHASE
ETA = .707	.025	-.8836	.0062	155.743	-.2384	.0063	103.150	.6451	.0055	40.374
	.087	-.6550	.0062	176.598	-.3208	.0052	138.366	.3341	.0041	52.857
	.148	-.6660	.0047	-168.873	-.3288	.0043	173.300	.3372	.0014	76.392
	.209	-.5830	.0036	-162.943	-.2893	.0036	-152.934	.2838	.0006	-67.938
	.294	-.6335	.0035	-147.793	-.3397	.0051	-132.072	.2939	.0020	-103.354
	.350	-.6361	.0043	-112.700	-.3434	.0069	-100.698	.2927	.0028	-82.337
	.407	-.6757	.0018	-46.307	-.3321	.0067	-74.829	.3436	.0052	-84.361
	.463	-.6759	.0069	103.561	-.3391	.0067	-58.412	.3368	.0134	-67.559
	.519	-.6464	.0049	57.028	-.2873	.0080	-38.396	.3591	.0096	-66.212
	.579	-.6425	.0036	104.509	-.2000	.0103	-28.323	.4425	.0129	-38.471
	.659	-.5251	.0053	95.059	-.0464	.0072	10.065	.5715	.0086	-28.019
	.739	-.4576	.0027	98.821	-.2095	.0073	28.989	.6671	.0069	7.290
	.819	-.3611	.0053	76.238	-.3583	.0076	34.598	.7195	.0051	-9.461
	.899	-.1676	.0068	77.276	-.4319	.0066	43.265	.5995	.0039	-32.523
	.974				.3008	.0073	85.161			
	.990	.0864	.0071	91.634						
ETA = .871	.025	-.7256	.0046	-152.576	-.1793	.0063	-73.038	.5464	.0071	-33.421
	.084	-.6973	.0035	-134.130	-.2839	.0075	-69.220	.4135	.0068	-41.435
	.143	-.6287	.0012	-130.029	-.2898	.0095	-47.578	.3289	.0094	-40.322
	.202	-.6310	.0031	99.678	-.3171	.0118	-31.804	.3139	.0140	-41.321
	.301	-.5694	.0102	148.002	-.3342	.0157	-16.282	.1952	.0257	-22.462
	.354	-.5366	.0045	160.492	-.3323	.0168	16.493	.2143	.0211	-3.694
	.407	-.4757	.0069	101.150	-.3384	.0204	5.164	.1473	.0222	-12.837
	.460	-.5837	.0163	156.690	-.3326	.0225	10.995	.2511	.0371	-3.334
	.513	-.5838	.0220	169.302	-.2361	.0215	21.662	.3077	.0418	5.291
	.566	-.5361	.0300	-179.659	-.2393	.0208	34.376	.2968	.0487	14.186
	.680	-.3627	.0349	-175.779	-.0393	.0227	34.330	.4020	.0561	14.852
	.742	-.2528	.0389	-172.815	-.1393	.0269	27.765	.3821	.0648	15.579
	.830	-.2195	.0297	-174.518	-.3359	.0174	34.774	.5754	.0457	16.224
	.910	-.0674	.0115	167.765	-.4115	.0090	61.088	.4790	.0165	19.240
	.975				.3086	.0048	129.650			
	.990	.1192	.0117	-171.807						
ETA = .972	.025	-.7795	.0086	141.652	-.2868	.0155	-16.798	.4926	.0237	-24.454
	.092	-.6708	.0045	126.124	-.3293	.0144	-2.423	.3415	.0176	-13.984
	.126				-.3728	.0129	3.871			
	.160	-.7516	.0120	147.724	-.3910	.0097	23.302	.2308	.0274	-14.912
	.227	-.6218	.0207	148.237	-.3507	.0120	33.242	-.0273	.0134	8.642
	.294	-.3234	.0056	125.509	-.3002	.0120	45.467	.0866	.0158	14.839
	.362	-.3868	.0082	146.632	-.2827	.0113	47.146	.1000	.0210	12.603
	.430	-.3827	.0133	163.803	-.2631	.0084	63.633	.0969	.0198	14.358
	.497	-.3600	.0157	170.437	-.1678	.0066	62.323	.1434	.0202	15.143
	.565	-.3111	.0164	177.975	-.0395	.0044	88.174	.2678	.0204	19.866
	.632	-.3073	.0192	-172.429	-.0894	.0035	168.657	.3716	.0153	25.086
	.700	-.2823	.0182	-161.471	-.2406	.0070	168.218	.4538	.0092	32.538
	.767	-.2132	.0160	-155.966	-.3250	.0078	168.067	.4804	.0067	45.138
	.835	-.1544	.0141	-149.512	-.3470	.0084	148.920	.4412	.0035	57.444
	.902	-.0942	.0117	-139.784						
	.973				.1982	.0070	-126.378			
	.990	.0423	.0068	-107.115						
ETA = .875	.084									
	.143	-.6975	.0049	128.037						
	.202	-.6011	.0075	126.370						
	.301									
	.407	-.6190	.0146	153.446						
	.513									
	.680	-.3890	.0353	-171.390						
	.830	-.2034	.0262	-161.240						
ETA = .981	.160				-.3949	.0102	-38.799			

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367										
POINT NUMBER 841	MACH = .801	RN = 1.903*10E6	H = 392.900 PSF	ALPHA = -.005 DEG						
	Q = 100.028 PSF	GAMMA = 1.131	P = 275.400 PSF	CPSTAR = -.482						
	DELTA (MEAN) = -.059 DEG	DELTA (AMPL) = 2.024 DEG	OSCILLATION FREQUENCY = 15.010 HZ	K = .433						
ANALYZED VALUES :	DELTA (MEAN) = .101 DEG	DELTA (AMPL) = 1.980 DEG	OSCILLATION FREQUENCY = 15.040 HZ	K = .434						
	X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-.8830	.0041	-92.788	-.2366	.0029	58.682	.6464	.0068	75.443
	.087	-.6542	.0014	-71.863	-.3196	.0015	95.443	.3346	.0029	101.570
	.148	-.6634	.0022	-9.491	-.3272	.0034	1.460	.3362	.0013	20.086
	.209	-.5794	.0013	-6.777	-.2976	.0034	-68.744	.2818	.0030	-91.108
	.294	-.6325	.0038	78.698	-.3378	.0028	20.064	.2946	.0033	-55.719
	.350	-.6348	.0044	66.327	-.3406	.0052	-13.141	.2942	.0062	-57.682
	.407	-.6715	.0078	90.320	-.3310	.0023	-43.146	.3405	.0095	-79.591
	.463	-.6720	.0174	115.469	-.3388	.0059	-14.914	.3332	.0206	-49.404
	.519	-.6428	.0108	113.973	-.2853	.0050	-14.566	.3575	.0145	-50.329
	.579	-.6381	.0145	143.879	-.2004	.0077	-15.371	.4377	.0219	-28.956
	.659	-.6234	.0109	163.100	.0478	.0032	-1.378	.5712	.0140	-13.172
	.739	-.4554	.0109	179.006	.2117	.0025	11.582	.6672	.0134	1.342
	.819	-.3598	.0077	155.415	.3590	.0029	7.545	.7188	.0103	-15.949
	.899	-.1666	.0041	170.696	.4327	.0032	-13.556	.5993	.0073	-10.948
	.974				.3029	.0010	-179.685			
	.990	.0880	.0033	-163.565						
ETA = .871	.025	-.7262	.0043	101.040	-.1780	.0080	-35.613	.5483	.0115	-50.469
	.084	-.6966	.0055	112.209	-.2821	.0090	-26.727	.4146	.0136	-42.094
	.143	-.6268	.0085	116.523	-.3281	.0085	-31.901	.3287	.0164	-47.689
	.202	-.6280	.0134	120.326	-.3172	.0125	-15.718	.3108	.0240	-38.500
	.301	-.5647	.0258	144.528	-.3725	.0206	-10.703	.1922	.0453	-24.277
	.354	-.5346	.0203	165.314	-.3205	.0215	-2.769	.2141	.0409	-8.556
	.407	-.4728	.0158	142.409	-.3284	.0277	4.742	.1445	.0409	-10.771
	.460	-.4798	.0372	171.132	-.3311	.0322	2.785	.2487	.0690	-3.463
	.513	-.5808	.0499	-175.304	-.2756	.0357	9.799	.3053	.0855	-1.682
	.566	-.5313	.0611	-170.296	-.2375	.0344	20.322	.2933	.0951	1.682
	.680	-.3610	.0689	-166.017	.0410	.0419	12.341	.2933	.1108	1.682
	.742	-.2500	.0744	-165.295	.1291	.0536	13.345	.4020	.1280	1.682
	.830	-.2152	.0499	-164.796	.3538	.0378	10.590	.3792	.0876	1.682
	.910	-.0671	.0156	-178.276	.4118	.0218	18.588	.5690	.0370	11.564
	.975				.3077	.0081	25.826	.4788		
	.990	.1193	.0083	-158.674						
ETA = .972	.025	-.7791	.0280	147.356	-.2852	.0204	-17.546	.4939	.0480	-26.287
	.092	-.6698	.0165	158.446	-.3280	.0170	-9.875	.3418	.0333	-15.627
	.126				-.3709	.0138	-16.779			
	.160	-.7481	.0302	161.288	-.3902	.0107	-14.199	.2231	.0520	-18.270
	.227	-.6133	.0413	160.676	-.3498	.0143	2.935	-.0245	.0242	3.413
	.294	-.3253	.0099	-175.896	-.3299	.0170	12.761	.0851	.0350	8.981
	.362	-.3850	.0181	-174.570	-.3299	.0165	12.445	.0975	.0382	11.658
	.430	-.3804	.0217	-168.940	-.3230	.0167	15.211	.0957	.0369	12.170
	.497	-.3584	.0202	-170.344	-.3237	.0167	17.382	.1408	.0400	17.935
	.565	-.3097	.0233	-161.813	-.3233	.0110	17.320	.2652	.0365	17.752
	.632	-.3048	.0255	-162.062	-.3233	.0067	24.116	.3705	.0300	20.919
	.700	-.2806	.0233	-159.999	-.3233	.0031	78.427	.4522	.0209	26.447
	.767	-.2116	.0191	-160.899	-.3233	.0056	152.220	.4787	.0133	27.597
	.835	-.1520	.0171	-168.037	-.3233	.0088	169.872	.4425	.0066	49.721
	.902	-.0935	.0134	-164.881	-.3233	.0072	-176.515			
	.973				.1984					
	.990	.0444	.0050	-149.951						
ETA = .875	.084	-.6948	.0090	126.487						
	.143	-.5981	.0142	127.221						
	.202									
	.301	-.6166	.0222	164.167						
	.407									
	.513	-.3874	.0655	-170.949						
	.680	-.1954	.0499	-162.707						
	.830									
ETA = .981	.160				-.3928	.0130	-11.786			

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367										
POINT NUMBER 842	MACH = .801	RN = 1.904*10E6	H = 393.075 PSF	ALPHA = -.005 DEG						
	Q = 100.088 PSF	GAMMA = 1.131	P = 275.500 PSF	CPSTAR = -.482						
	DELTA (MEAN) = -.073 DEG	DELTA (AMPL) = 3.014 DEG	OSCILLATION FREQUENCY = 15.021 HZ	K = .434						
ANALYZED VALUES :	DELTA (MEAN) = .069 DEG	DELTA (AMPL) = 2.951 DEG	OSCILLATION FREQUENCY = 15.030 HZ	K = .434						
	X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-.8952	.0053	-122.571	-.2340	.0060	49.901	.6611	.0113	53.432
	.087	-.6591	.0032	-75.730	-.3170	.0021	14.181	.3420	.0038	70.968
	.148	-.6625	.0019	-7.473	-.3251	.0039	-7.717	.3374	.0020	-7.949
	.209	-.5799	.0034	63.562	-.2965	.0042	-32.373	.2833	.0057	-68.985
	.294	-.6345	.0046	79.701	-.3367	.0044	-30.073	.2978	.0074	-66.081
	.350	-.6348	.0063	82.638	-.3419	.0058	-38.377	.2929	.0105	-69.208
	.407	-.6695	.0101	93.387	-.3300	.0055	-26.202	.3395	.0137	-66.148
	.463	-.6630	.0195	106.588	-.3382	.0046	-13.995	.3248	.0222	-63.135
	.519	-.6297	.0135	123.004	-.2865	.0061	-4.527	.3432	.0179	-41.301
	.579	-.6321	.0143	148.377	-.2030	.0111	-21.719	.4291	.0253	-27.297
	.659	-.5295	.0163	155.765	.0449	.0055	1.229	.5743	.0214	-17.890
	.739	-.4578	.0121	177.900	.2081	.0054	5.092	.6659	.0175	-8.117
	.819	-.3621	.0087	169.448	.3569	.0056	-5.533	.7190	.0143	-8.587
	.899	-.1693	.0050	165.613	.4298	.0046	-9.305	.5992	.0096	-11.952
	.974				.2981	.0016	-46.956			
	.990	.0843	.0027	-175.710						
ETA = .871	.025	-.7330	.0078	116.289	-.1715	.0152	-27.511	.5614	.0220	-39.608
	.084	-.6968	.0095	124.383	-.2782	.0153	-30.895	.4185	.0243	-40.322
	.143	-.6240	.0125	120.793	-.2949	.0142	-31.661	.3291	.0259	-44.540
	.202	-.6219	.0192	125.787	-.3129	.0214	-23.210	.3090	.0391	-37.851
	.301	-.5521	.0364	150.630	-.3699	.0304	-11.039	.1822	.0660	-21.035
	.354	-.5301	.0292	163.969	-.3183	.0322	-4.578	.2119	.0611	-10.023
	.407	-.4700	.0211	144.062	-.3249	.0394	3.871	.1451	.0572	-9.783
	.460	-.5723	.0513	171.033	-.3305	.0483	3.922	.2418	.0990	-2.717
	.513	-.5721	.0660	174.220	-.2748	.0554	9.578	.2973	.1213	7.513
	.566	-.5237	.0873	170.303	-.2366	.0540	19.436	.2871	.1408	13.416
	.680	-.3587	.1013	167.530	.0413	.0646	13.519	.4000	.1659	12.878
	.742	-.2491	.1139	167.095	.1273	.0834	13.368	.3763	.1973	13.101
	.830	-.2116	.0740	166.509	.3543	.0565	10.027	.5659	.1304	11.991
	.910	-.0698	.0195	176.978	.4096	.0339	17.950	.4794	.0526	10.322
	.975				.3068	.0137	22.556			
	.990	.1179	.0137	-166.873						
ETA = .972	.025	-.7783	.0411	148.389	-.2801	.0287	-14.515	.4982	.0690	-24.593
	.092	-.6676	.0249	153.817	-.3233	.0255	-10.209	.3443	.0499	-18.100
	.126				-.3652	.0218	-16.859			
	.160	-.7352	.0404	162.784						
	.227	-.5906	.0523	160.528	-.3833	.0191	-13.872	.2073	.0713	-17.975
	.294	-.3266	.0185	-175.213	-.3465	.0221	-.171	-.0199	.0406	2.274
	.362	-.3833	.0261	-177.179	-.3981	.0234	11.868	.0852	.0493	7.097
	.430	-.3774	.0294	-171.450	-.2795	.0263	13.853	.0979	.0556	11.054
	.497	-.3554	.0308	-170.289	-.2614	.0261	11.883	.0940	.0569	10.708
	.565	-.3069	.0336	-162.668	-.1677	.0255	20.384	.1391	.0591	18.649
	.632	-.3026	.0357	-164.836	-.0380	.0177	23.224	.2647	.0533	17.833
	.700	-.2770	.0345	-164.621	-.0906	.0118	35.466	.3675	.0458	20.460
	.767	-.2091	.0292	-154.037	.2417	.0056	70.599	.4508	.0328	23.976
	.835	-.1494	.0257	-171.227	.3289	.0082	151.617	.4784	.0198	23.263
	.902	-.0905	.0227	-170.026	.5518	.0137	167.137	.4423	.0114	37.800
	.973				.2003	.0111	172.493			
	.990	.0459	.0061	-177.279						
ETA = .875	.084									
	.143	-.6926	.0131	126.927						
	.202	-.5924	.0202	130.846						
	.301									
	.407	-.6127	.0320	161.706						
	.513									
ETA = .981	.680	-.3878	.0979	-174.465						
	.830	-.1932	.0732	-162.634						
	.160				-.3891	.0183	-7.356			

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367

POINT NUMBER 843

MACH = .801 RN = 1.901*10E6
Q = 99.847 PSF GAMMA = 1.131
DELTA (MEAN) = -.026 DEG DELTA (AMPL) = .992 DEG

H = 392.700 PSF ALPHA = -.005 DEG
P = 275.450 PSF CPSTAR = -.484
OSCILLATION FREQUENCY = 20.000 HZ K = .578

ANALYZED VALUES : DELTA (MEAN) = .144 DEG DELTA (AMPL) = .959 DEG OSCILLATION FREQUENCY = 20.015 HZ K = .579

[illegible]

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367										
POINT NUMBER 844	MACH = 1.801	RN = 1.904*10E6	H = 392.950 PSF	ALPHA = -.005 DEG						
	Q = 100.015 PSF	GAMMA = 1.131	P = 275.475 PSF	CPSTAR = -.482						
	DELTA (MEAN) = -.069 DEG	DELTA (AMPL) = 2.004 DEG	OSCILLATION FREQUENCY = 20.000 HZ	K = .578						
ANALYZED VALUES :	DELTA (MEAN) = .099 DEG	DELTA (AMPL) = 1.958 DEG	OSCILLATION FREQUENCY = 19.995 HZ	K = .578						
	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE	
ETA = .707	.025 .087 .148 .209 .294 .350 .407 .463 .519 .579 .659 .739 .819 .899 .974 .990	-.8827 -.6554 -.6681 -.5839 -.6356 -.6388 -.6778 -.6823 -.6315 -.6451 -.5276 -.4563 -.3607 -.1682 .0878	.0005 .0024 .0040 .0032 .0042 .0057 .0102 .0155 .0202 .0154 .0104 .0070 .0042 0.0000	-157.736 -117.478 -70.771 -45.396 -12.395 13.690 25.605 75.330 76.981 116.577 151.031 176.893 176.996 -176.788 132.115	-.2407 -.3226 -.3324 -.3005 -.3405 -.3453 -.3330 -.3403 -.2903 -.1982 -.0461 -.2102 -.2596 -.4324 .3016	.0020 .0012 .0033 .0039 .0034 .0040 .0046 .0050 .0047 .0082 .0036 .0034 .0044 .0028 .0011	-55.122 -83.702 -47.697 -52.370 -40.750 -44.267 -32.053 -13.654 -25.304 -21.514 -4.647 -21.151 -16.572 -14.195 24.419	.6420 .3329 .3357 .2834 .2952 .2935 .3448 .3419 .3612 .4468 .5738 .6665 .7203 .6006	.0022 .0016 .0016 .0008 .0020 .0049 .0087 .0162 .0179 .0269 .0187 .0137 .0114 .0069	-42.097 37.083 55.928 -80.600 -139.194 -122.849 -127.731 -86.698 -88.152 -51.660 -24.431 -7.524 -4.381 -3.738
ETA = .871	.025 .084 .143 .202 .301 .354 .407 .460 .513 .566 .680 .742 .830 .910 .975 .990	-.7213 -.6972 -.6285 -.6315 -.5740 -.5339 -.4755 -.5849 -.5834 -.5338 -.3598 -.2484 -.2151 -.0664 .1203	.0038 .0061 .0088 .0129 .0312 .0205 .0149 .0407 .0493 .0639 .0675 .0759 .0461 .0140 .0085	49.039 61.924 65.873 75.467 120.646 146.701 129.668 163.700 -178.327 -171.522 -164.435 -163.921 -164.304 173.754 -158.758	-.1806 -.2855 -.3010 -.3187 -.3758 -.3224 -.3200 -.3336 -.2765 -.2375 -.0413 -.2297 -.3548 -.4133 .3084	.0088 .0094 .0079 .0125 .0209 .0221 .0284 .0334 .0376 .0387 .0447 .0575 .0379 .0246 .0098	-73.946 -50.006 -52.518 -34.455 -17.039 -7.224 2.516 1.639 11.884 22.134 13.527 14.520 10.070 22.524 21.576	.5406 .4117 .3275 .3128 .1983 .2115 .1455 .2513 .3069 .2963 .4011 .3780 .5699 .4797	.0113 .0130 .0144 .0208 .0487 .0415 .0392 .0732 .0866 .1019 .1122 .1334 .0839 .0375	-90.291 -75.858 -85.163 -70.127 -42.572 -19.763 -15.101 -8.222 6.090 13.621 14.753 15.407 13.158 12.167
ETA = .972	.025 .092 .126 .160 .227 .294 .362 .430 .497 .565 .632 .700 .767 .835 .902 .973 .990	-.7803 -.6707 -.7528 -.6258 -.3213 -.3852 -.3811 -.3574 -.3098 -.3056 -.2796 -.2106 -.1519 -.0929 .0438	.0249 .0150 .0264 .0390 .0085 .0170 .0193 .0196 .0214 .0238 .0213 .0178 .0152 .0124 .0050	114.010 123.718 145.663 146.695 -163.859 -173.503 -170.340 -171.833 -163.619 -162.645 -162.153 -160.058 -172.618 -173.649 168.560	-.2849 -.3294 -.3731 -.3913 -.3502 -.3010 -.2830 -.2621 -.1687 -.0381 -.0915 -.2415 -.3288 -.3503 .1997	.0185 .0167 .0131 .0104 .0155 .0177 .0184 .0195 .0183 .0148 .0078 .0050 .0045 .0088 .0074	-40.969 -26.248 -26.820 -18.688 -1.128 14.369 17.638 17.562 23.963 26.504 34.904 72.974 131.677 158.795 160.434	.4954 .3412 .2345 -.0289 .0842 .0981 .0953 .1411 .2674 .3711 .4521 .4807 .4432	.0424 .0306 .0491 .0238 .0346 .0376 .0390 .0396 .0385 .0288 .0212 .0132 .0061	-55.354 -40.441 -30.243 5.619 10.512 13.554 12.853 19.876 20.861 22.396 30.811 23.741 47.870
ETA = .875	.084 .143 .202 .301 .407 .513 .680 .830	-.6950 -.6017 -.6170 -.3874 -.1970	.0093 .0148 .0247 .0653 .0490	83.496 81.957 147.416 -169.067 -157.872	-.3960	.0129	-16.080			
ETA = .981	.160									

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367										
POINT NUMBER 845		MACH = .802		RN = 1.905*10E6		H = 393.150 PSF		ALPHA = -.004 DEG		
		Q = 100.230 PSF		GAMMA = 1.131		P = 275.375 PSF		CPSTAR = -.479		
		DELTA (MEAN) = -.096 DEG		DELTA (AMPL) = 3.036 DEG		OSCILLATION FREQUENCY = 20.000 HZ K = .577				
ANALYZED VALUES :		DELTA (MEAN) = .071 DEG		DELTA (AMPL) = 2.958 DEG		OSCILLATION FREQUENCY = 20.015 HZ K = .577				
	X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-.8896	.0028	170.289	-.2360	.0037	-27.604	.6536	.0064	-19.907
	.087	-.6560	.0046	-111.283	-.3200	.0032	-70.566	.3360	.0030	24.888
	.148	-.6647	.0066	-91.821	-.3282	.0040	-51.421	.3365	.0044	52.312
	.209	-.5826	.0077	-76.520	-.2960	.0062	-61.974	.2866	.0023	60.971
	.294	-.6331	.0087	-26.419	-.3378	.0057	-42.691	.2953	.0036	179.905
	.350	-.6357	.0084	-3.368	-.3422	.0067	-39.850	.2935	.0050	-130.469
	.407	-.6734	.0160	10.265	-.3305	.0078	-47.707	.3429	.0136	-140.599
	.463	-.6697	.0224	64.623	-.3383	.0069	-15.533	.3314	.0223	-97.613
	.519	-.6395	.0256	57.972	-.2864	.0084	-27.145	.3530	.0263	-103.438
	.579	-.6375	.0296	99.803	-.1987	.0101	-6.315	.4388	.0338	-63.528
	.659	-.5251	.0237	143.316	.0462	.0054	-15.943	.5713	.0288	-32.878
	.739	-.4574	.0153	162.420	.2094	.0049	-10.159	.6668	.0202	-15.782
	.819	-.3614	.0102	168.781	.3599	.0051	-4.486	.7213	.0153	-8.976
	.899	-.1660	.0041	-172.490	.4311	.0045	-15.917	.5971	.0084	-4.756
	.974				.3014	.0009	-35.429			
	.990	.0853	.0024	-166.843						
ETA = .871	.025	-.7312	.0055	36.318	-.1739	.0107	-74.611	.5573	.0137	-96.690
	.084	-.6983	.0089	50.190	-.2806	.0137	-57.173	.4177	.0184	-84.618
	.143	-.6275	.0135	63.829	-.2967	.0105	-48.054	.3307	.0200	-86.942
	.202	-.6279	.0188	78.705	-.3146	.0190	-35.842	.3133	.0318	-68.374
	.301	-.5592	.0418	121.385	-.3736	.0306	-17.565	.1856	.0679	-41.405
	.354	-.5320	.0334	145.792	-.3198	.0314	-7.230	.2122	.0630	-21.143
	.407	-.4729	.0202	128.447	-.3273	.0414	-1.136	.1456	.0565	-17.142
	.460	-.5753	.0601	160.627	-.3328	.0484	1.810	.2425	.1067	-9.937
	.513	-.5761	.0711	178.847	-.2755	.0564	8.500	.3006	.1271	3.116
	.566	-.5270	.0932	-172.102	-.2369	.0576	22.768	.2901	.1496	13.568
	.680	-.3564	.1027	-165.148	.0404	.0678	11.212	.3968	.1704	13.404
	.742	-.2470	.1129	-165.508	.1299	.0863	14.622	.3769	.1992	14.549
	.830	-.2102	.0704	-163.086	.3540	.0556	9.492	.5642	.1257	13.639
	.910	-.0667	.0139	176.937	.4101	.0369	20.420	.4768	.0500	14.055
	.975				.3097	.0142	27.546			
	.990	.1170	.0142	-164.107						
ETA = .972	.025	-.7803	.0364	111.699	-.2827	.0234	-43.744	.4976	.0585	-58.731
	.092	-.6681	.0222	126.511	-.3267	.0243	-24.002	.3414	.0450	-38.065
	.126				-.3672	.0180	-27.536			
	.160	-.7433	.0410	142.926						
	.227	-.6058	.0544	148.769	-.3870	.0153	-20.925	.2188	.0695	-28.974
	.294	-.3238	.0164	-171.257	-.3493	.0224	2.034	-.0255	.0387	4.869
	.362	-.3847	.0255	-176.122	-.2982	.0256	10.816	.0865	.0510	7.354
	.430	-.3783	.0299	-172.111	-.2825	.0291	12.058	.0959	.0590	9.945
	.497	-.3552	.0312	-169.955	-.2625	.0280	13.542	.0928	.0592	11.699
	.565	-.3082	.0311	-165.097	-.1676	.0291	21.446	.1405	.0601	18.066
	.632	-.3033	.0364	-165.710	-.0390	.0199	30.112	.2643	.0558	19.869
	.700	-.2762	.0342	-162.014	.0891	.0130	37.037	.3654	.0467	23.201
	.767	-.2099	.0278	-164.064	.2427	.0087	79.158	.4526	.0327	29.695
	.835	-.1499	.0238	-170.603	.3284	.0079	147.273	.4783	.0187	25.852
	.902	-.0906	.0196	-170.498	.3505	.0133	156.020	.4411	.0112	50.280
	.973				.2006	.0111	169.210			
	.990	.0423	.0065	179.101						
ETA = .875	.084									
	.143	-.6936	.0145	74.877						
	.202	-.5980	.0216	85.847						
	.301									
	.407	-.6146	.0361	147.952						
ETA = .981	.513	-.3885	.1001	-172.226						
	.680	-.1918	.0715	-160.522						
	.830									
ETA = .981		.160			-.3919	.0187	-18.313			

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367									
POINT NUMBER 869	MACH = .704	RN = 2.189*10E6	H = 473.075 PSF	ALPHA = -.008 DEG					
	Q = 100.762 PSF	GAMMA = 1.132	P = 359.000 PSF	CPSTAR = -.849					
	DELTA (MEAN) = -.006 DEG	DELTA (AMPL) = 1.026 DEG	OSCILLATION FREQUENCY = 5.031 HZ	K = .166					
ANALYZED VALUES :	DELTA (MEAN) = .168 DEG	DELTA (AMPL) = .999 DEG	OSCILLATION FREQUENCY = 5.035 HZ	K = .166					
X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-.8904	.0114	28.874	-.1421	.0058	-133.353	.7482	.0170
	.087	-.5841	.0040	33.161	-.2020	.0029	-142.980	.3821	.0069
	.148	-.5628	.0031	10.631	-.2271	.0033	-131.492	.3338	.0061
	.209	-.4609	.0027	52.929	-.2076	.0041	-41.153	.2533	.0051
	.294	-.5197	.0013	23.436	-.2736	.0014	-116.593	.2461	.0025
	.350	-.4858	.0016	51.729	-.2309	.0016	-78.966	.2549	.0029
	.407	-.5266	.0014	56.356	-.2589	.0017	-45.379	.2677	.0024
	.463	-.5268	.0058	62.333	-.2350	.0016	-81.293	.2918	.0072
	.519	-.4906	.0029	128.261	-.1986	.0020	-58.705	.2920	.0049
	.579	-.4638	.0041	154.825	-.1622	.0033	-26.627	.3016	.0074
	.659	-.3842	.0026	158.577	-.0774	.0021	-68.564	.4617	.0043
	.739	-.3998	.0021	155.074	-.2690	.0024	-23.939	.6688	.0045
	.819	-.2798	.0023	158.237	-.3473	.0019	-23.532	.6271	.0039
	.899	-.1558	.0013	165.454	-.4466	.0012	-52.941	.6024	.0024
	.974				.3240	.0005	-20.343		
	.990	.0850	.0008	126.210					
ETA = .871	.025	-.8125	.0091	61.220	-.1076	.0048	-107.967	.7049	.0138
	.084	-.6397	.0044	68.948	-.2238	.0043	-79.074	.4159	.0084
	.143	-.5343	.0025	115.114	-.2505	.0034	-56.928	.2838	.0059
	.202	-.5464	.0035	129.294	-.2375	.0046	-42.921	.3089	.0081
	.301	-.4120	.0058	179.925	-.2621	.0073	-18.474	.1499	.0129
	.354	-.4748	.0071	174.583	-.2739	.0083	-14.035	.2009	.0154
	.407	-.3588	.0087	172.564	-.2787	.0099	-1.974	.0801	.0186
	.460	-.4396	.0105	177.831	-.2878	.0104	-1.797	.1518	.0209
	.513	-.4423	.0132	178.028	-.2432	.0154	1.089	.1990	.0286
	.566	-.4591	.0174	170.766	-.1931	.0172	5.221	.2670	.0346
	.680	-.3336	.0286	170.731	-.0662	.0211	6.872	.3998	.0497
	.742	-.2635	.0319	172.015	-.1209	.0248	7.290	.3843	.0567
	.830	-.2132	.0239	169.969	-.3173	.0173	8.309	.5305	.0412
	.910	-.0590	.0026	165.944	-.3275	.0098	8.009	.3864	.0124
	.975				.2450	.0046	30.395		
	.990	.1233	.0026	-178.231					
ETA = .972	.025	-.7073	.0097	93.492	-.2011	.0077	-84.457	.5063	.0174
	.092	-.5200	.0033	132.844	-.2129	.0036	-53.218	.3071	.0069
	.126				-.2473	.0044	-40.052		
	.160	-.5361	.0041	144.184	-.2687	.0044	-10.997	.1458	.0102
	.207	-.4145	.0061	164.530	-.2533	.0061	-12.840	.0635	.0097
	.254	-.3168	.0036	169.241	-.2505	.0059	-3.672	.0748	.0119
	.302	-.2953	.0050	177.421	-.2505	.0070	-8.097	.0605	.0138
	.350	-.3179	.0070	168.703	-.2574	.0094	-8.266	.0906	.0175
	.407	-.2980	.0081	179.042	-.2074	.0099	8.590	.1288	.0177
	.457	-.2431	.0078	173.931	-.1143	.0070	8.040	.2071	.0154
	.505	-.2297	.0084	175.012	-.0227	.0070	1.752	.2071	.0126
	.552	-.2334	.0087	171.405	-.1055	.0040	3.552	.3389	.0126
	.600	-.1658	.0071	171.702	-.2520	.0012	3.552	.4178	.0082
	.647	-.1128	.0068	171.677	-.3225	.0026	1.585	.4352	.0043
	.695	-.0551	.0057	168.192	-.3832	.0037	-1.748	.4383	.0021
	.743				.2277	.0042	1.748		
	.791								
	.839								
	.887								
	.935								
	.983								
	.990	.0516	.0014	-128.448					
ETA = .875	.084	-.5147	.0040	136.197					
	.143	-.4622	.0033	147.490					
	.202								
	.301	-.3946	.0075	172.345					
	.407								
	.513								
	.680	-.2549	.0255	-178.119					
	.830	-.2778	.0264	-172.555					
ETA = .981	.160				-.2842	.0038	-25.899		

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367									
POINT NUMBER 870		MACH = .703		RN = 2.189*10E6		H = 473.650 PSF		ALPHA = -.008 DEG	
		Q = 100.684 PSF		GAMMA = 1.132		P = 359.700 PSF		CPSTAR = -.853	
		DELTA (MEAN) = -.093 DEG		DELTA (AMPL) = 1.992 DEG		OSCILLATION FREQUENCY = 5.040 HZ		K = .166	
ANALYZED VALUES :		DELTA (MEAN) = .124 DEG		DELTA (AMPL) = 1.953 DEG		OSCILLATION FREQUENCY = 5.035 HZ		K = .166	
X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-.8883	.0174	29.139	-.1435	.0073	-148.143	.7448	.0247
	.087	-.5819	.0112	49.126	-.2023	.0069	-148.569	.3796	.0179
	.148	-.5627	.0056	45.506	-.2272	.0054	-168.082	.3355	.0105
	.209	-.4570	.0025	59.867	-.2071	.0048	-50.095	.2500	.0061
	.294	-.5199	.0015	77.568	-.2754	.0027	-75.365	.2445	.0041
	.350	-.4860	.0034	104.780	-.2306	.0048	-142.596	.2554	.0069
	.407	-.5284	.0031	-155.634	-.2595	.0039	-22.769	.2689	.0064
	.463	-.5286	.0107	71.889	-.2343	.0028	-72.223	.2942	.0131
	.519	-.4924	.0038	166.899	-.1985	.0013	142.221	.2936	.0137
	.579	-.4634	.0071	158.113	-.1634	.0078	-2.806	.2936	.0027
	.659	-.3837	.0022	141.641	.0777	.0017	38.764	.3000	.0147
	.739	-.4005	.0050	159.333	.2695	.0009	57.360	.4615	.0031
	.819	-.2795	.0069	-169.861	.3466	.0044	-6.318	.6701	.0053
	.899	-.1568	.0034	152.321	.4459	.0030	-76.254	.6261	.0112
	.974				.3237	.0029	108.254	.6027	.0058
	.990	.0843	.0010	34.157					
ETA = .871	.025	-.8135	.0207	57.692	-.1081	.0093	-121.677	.7054	.0300
	.084	-.6406	.0117	99.958	-.2234	.0073	-84.607	.4172	.0190
	.143	-.5335	.0064	109.963	-.2510	.0042	-50.830	.2825	.0105
	.202	-.5486	.0124	146.675	-.2385	.0103	-24.361	.3072	.0226
	.301	-.4104	.0131	151.846	-.2607	.0092	-18.728	.1497	.0222
	.354	-.4785	.0156	-176.264	-.2752	.0174	-2.938	.2003	.0330
	.407	-.3523	.0157	160.144	-.2787	.0227	5.711	.0786	.0375
	.460	-.4384	.0223	173.874	-.2881	.0217	-1.427	.1503	.0440
	.513	-.4381	.0223	-177.147	-.2451	.0242	2.233	.1950	.0524
	.566	-.4597	.0339	174.476	-.1943	.0340	7.117	.2654	.0679
	.680	-.3337	.0553	-176.776	.0652	.0369	4.697	.3989	.0922
	.742	-.2633	.0661	170.041	.1195	.0499	7.905	.3818	.1160
	.830	-.2113	.0509	-174.785	.3166	.0340	5.903	.5280	.0849
	.910	-.0616	.0117	-179.359	.3251	.0177	12.224	.3867	.0293
	.975				.2420	.0066	5.302		
	.990	.1237	.0071	-176.614					
ETA = .972	.025	-.7016	.0246	118.535	-.2033	.0151	-71.653	.4983	.0396
	.092	-.5169	.0098	127.525	-.2148	.0080	-52.366	.3020	.0178
	.126				-.2481	.0081	-28.592		
	.160	-.5335	.0103	151.280	-.2675	.0099	-13.985	.1448	.0207
	.227	-.4123	.0108	166.993	-.2527	.0103	-19.084	.0632	.0203
	.294	-.3159	.0100	168.372	-.2196	.0115	16.420	.0741	.0211
	.362	-.2937	.0098	179.256	-.2585	.0118	-8.507	.0590	.0305
	.430	-.3175	.0187	175.134	-.2059	.0127	6.259	.0915	.0276
	.497	-.2973	.0150	179.331	-.1153	.0163	14.656	.1270	.0353
	.565	-.2423	.0190	-166.327	.0230	.0088	10.638	.2051	.0264
	.632	-.2281	.0178	176.548	-.1059	.0061	12.342	.3385	.0250
	.700	-.2335	.0189	-171.948	.2513	.0030	47.477	.4145	.0164
	.767	-.1632	.0141	-176.342	.3227	.0026	157.152	.4324	.0138
	.835	-.1097	.0162	177.540	.3853	.0106	-175.137	.4394	.0005
	.902	-.0541	.0106	-177.716	.2286	.0040	128.678		
	.973								
	.990	.0521	.0032	-147.539					
ETA = .875	.084	-.5157	.0092	125.705					
	.143	-.4618	.0091	138.521					
	.202								
	.301	-.3938	.0178	165.742					
	.407								
	.513	-.2560	.0517	179.979					
	.680	-.2738	.0495	-175.504					
	.830								
ETA = .981	.160				-.2849	.0063	4.042		

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367										
POINT NUMBER 872	MACH = .703	RN = 2.189*10E6	H = 474.000 PSF	ALPHA = -.007 DEG						
	Q = 100.790 PSF	GAMMA = 1.132	P = 359.925 PSF	CPSTAR = -.853						
	DELTA (MEAN) = -.030 DEG	DELTA (AMPL) = 3.008 DEG	OSCILLATION FREQUENCY = 5.021 HZ	K = .165						
ANALYZED VALUES :	DELTA (MEAN) = .080 DEG	DELTA (AMPL) = 2.929 DEG	OSCILLATION FREQUENCY = 5.030 HZ	K = .166						
	X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-.8846	.0287	27.506	-.1388	.0161	-152.861	.7458	.0448	-152.626
	.087	-.5782	.0136	40.383	-.1988	.0076	-144.683	.3794	.0212	-141.433
	.148	-.5605	.0077	50.438	-.2235	.0074	-146.712	.3369	.0149	-137.965
	.209	-.4544	.0063	59.589	-.2637	.0057	-76.012	.2506	.0113	-99.744
	.294	-.5151	.0066	74.083	-.2712	.0046	-110.123	.2439	.0112	-107.644
	.350	-.4829	.0060	74.087	-.2666	.0035	-64.185	.2563	.0089	-90.777
	.407	-.5239	.0024	83.677	-.2573	.0024	-63.621	.2566	.0046	-79.972
	.463	-.5253	.0063	50.929	-.2305	.0056	-53.883	.2948	.0096	-94.754
	.519	-.4870	.0065	163.871	-.1953	.0043	-52.096	.2946	.0103	-30.330
	.579	-.4576	.0027	137.092	-.1613	.0091	-12.049	.2963	.0116	-21.317
	.659	-.3780	.0038	174.283	.0808	.0031	-21.174	.4587	.0068	-12.657
	.739	-.3950	.0052	174.047	.2721	.0042	-18.097	.6671	.0093	-11.377
	.819	-.2746	.0080	172.971	.3474	.0042	19.989	.6221	.0119	2.201
	.899	-.1545	.0029	172.558	.4477	.0024	-43.842	.6022	.0050	-23.865
	.974				.3257	.0011	20.139			
	.990	.0863	.0005	-13.284						
ETA = .871	.025	-.8131	.0304	58.502	-.1053	.0178	-110.759	.7079	.0480	-117.536
	.084	-.6371	.0139	87.757	-.2220	.0081	-77.214	.4151	.0218	-86.720
	.143	-.5308	.0076	109.802	-.2503	.0102	-50.599	.2805	.0175	-58.953
	.202	-.5429	.0141	142.843	-.2341	.0129	-28.049	.3088	.0269	-32.806
	.301	-.4080	.0170	162.701	-.2577	.0188	-15.173	.1503	.0358	-16.183
	.354	-.4722	.0211	164.214	-.2735	.0247	-.857	.1988	.0453	-6.805
	.407	-.3547	.0216	170.210	-.2773	.0325	-.912	.0774	.0539	-4.455
	.460	-.4352	.0359	174.393	-.2886	.0356	1.582	.1465	.0714	-2.028
	.513	-.4375	.0394	179.418	-.2451	.0405	1.095	.1924	.0799	-.268
	.566	-.4571	.0500	-177.100	-.1940	.0498	6.708	.2631	.0997	4.801
	.680	-.3294	.0805	-174.504	.0634	.0629	5.400	.3928	.1434	5.454
	.742	-.2617	.0985	-174.733	.1181	.0747	6.158	.3798	.1732	5.651
	.830	-.2098	.0712	-173.288	.3124	.0552	4.439	.5222	.1264	5.720
	.910	-.0637	.0191	176.750	.3217	.0307	11.532	.3854	.0494	5.872
	.975				.2395	.0136	15.893			
	.990	.1218	.0071	-169.302						
ETA = .972	.025	-.7033	.0313	105.118	-.1993	.0196	-70.441	.5040	.0509	-73.173
	.092	-.5138	.0145	130.942	-.2115	.0128	-48.826	.3024	.0273	-48.949
	.126				-.2473	.0135	-33.834			
	.160	-.5315	.0149	150.457						
	.227	-.4111	.0148	178.242	-.2650	.0156	-21.475	.1461	.0300	-11.878
	.294	-.3149	.0137	153.954	-.2510	.0171	-2.746	.0639	.0302	-13.092
	.362	-.2917	.0161	-178.820	-.2191	.0171	-1.357	.0726	.0332	-.127
	.430	-.3164	.0229	179.008	-.2604	.0207	1.348	.0560	.0436	.119
	.497	-.2972	.0231	179.220	-.2055	.0236	-5.618	.0917	.0467	-1.203
	.565	-.2391	.0242	-178.684	-.1161	.0240	5.676	.1231	.0482	3.487
	.632	-.2251	.0250	-173.591	-.0245	.0158	8.316	.2005	.0408	7.148
	.700	-.2304	.0256	-175.904	-.1054	.0126	10.832	.3358	.0381	6.317
	.767	-.1608	.0215	-172.765	.3215	.0029	19.383	.4123	.0243	8.672
	.835	-.1093	.0193	178.286	.3220	.0031	168.051	.4313	.0163	.227
	.902	-.0528	.0157	-174.106	.3860	.0128	176.571	.4388	.0037	39.939
	.973				.2291	.0072	179.980			
	.990	.0519	.0019	173.053						
ETA = .875	.084									
	.143	-.5112	.0109	116.999						
	.202	-.4594	.0123	127.748						
	.301									
	.407	-.3907	.0245	169.531						
ETA = .981	.513									
	.680	-.2520	.0737	-179.015						
	.830	-.2686	.0721	-174.698						
ETA = .981	.160				-.2838	.0114	-33.029			

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367										
POINT NUMBER 873	MACH = .702	RN = 2.184*10E6	H = 473.850 PSF	ALPHA = -.008 DEG						
	Q = 100.410 PSF	GAMMA = 1.132	P = 360.275 PSF	CPSTAR = -.860						
	DELTA (MEAN) = -.010 DEG	DELTA (AMPL) = 1.030 DEG	OSCILLATION FREQUENCY = 15.010 HZ	K = .496						
ANALYZED VALUES :	DELTA (MEAN) = .166 DEG	DELTA (AMPL) = 1.007 DEG	OSCILLATION FREQUENCY = 15.025 HZ	K = .496						
	X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-.8885	.0054	-177.001	-.1401	.0044	22.894	.7484	.0097	11.921
	.087	-.5820	.0019	-124.350	-.1497	.0027	36.853	.3324	.0045	44.603
	.148	-.5634	.0013	-167.503	-.2359	.0022	7.409	.3375	.0035	9.298
	.209	-.4567	.0026	-167.844	-.2362	.0022	23.619	.2505	.0046	4.191
	.284	-.5175	.0005	-129.513	-.2346	.0024	42.211	.2430	.0029	43.635
	.350	-.4840	.0014	-129.571	-.2386	.0027	46.790	.2554	.0039	34.980
	.407	-.5274	.0028	-168.793	-.2382	.0025	19.051	.2691	.0053	-10.190
	.463	-.5282	.0042	-168.793	-.2311	.0012	15.259	.2967	.0048	-38.860
	.519	-.4912	.0006	-123.755	-.1635	.0024	13.564	.2947	.0029	6.159
	.579	-.4816	.0016	-166.521	-.0895	.0029	-42.153	.2979	.0058	-11.086
	.639	-.4813	.0012	-164.637	.0005	.0012	53.376	.4619	.0023	34.370
	.699	-.3997	.0031	-149.111	.2732	.0031	18.186	.6730	.0061	-19.538
	.759	-.2771	.0021	-173.276	.3486	.0015	35.952	.6257	.0034	10.889
	.819	-.1559	.0016	-126.256	.4496	.0009	37.748	.6055	.0025	47.999
	.874				.3277	.0003	-25.714			
	.930	.0873	.0016	95.398						
ETA = .871	.025	-.8128	.0120	156.669	-.1078	.0083	-11.466	.7049	.0202	-18.484
	.084	-.6400	.0068	178.393	-.2251	.0068	6.701	.4150	.0136	2.547
	.143	-.5336	.0053	168.240	-.2364	.0060	-3.627	.2812	.0123	-7.793
	.202	-.5459	.0073	170.745	-.2365	.0072	-10.449	.3093	.0147	-9.840
	.261	-.4106	.0087	-171.326	-.2391	.0092	8.596	.1515	.0179	8.634
	.320	-.4759	.0089	-177.822	-.2733	.0132	16.970	.2076	.0219	11.021
	.379	-.3564	.0084	170.848	-.2782	.0146	26.193	.0782	.0220	13.430
	.438	-.4386	.0132	-166.628	-.2895	.0134	20.862	.1482	.0265	17.145
	.497	-.4408	.0142	-167.060	-.2441	.0148	13.749	.1967	.0290	13.353
	.556	-.4630	.0190	-165.458	-.1939	.0175	17.046	.2691	.0365	17.304
	.615	-.3355	.0314	-160.070	.0683	.0216	18.069	.4038	.0530	19.171
	.674	-.2646	.0339	-165.841	.1218	.0254	17.330	.3865	.0593	17.232
	.733	-.2125	.0254	-164.450	.3169	.0195	17.285	.5295	.0449	16.303
	.792	-.0560	.0024	-179.495	.3255	.0123	33.599	.3815	.0144	28.367
	.851				.2429	.0049	27.329			
	.910	.1246	.0033	-174.023						
ETA = .972	.025	-.7048	.0158	-176.084	-.2011	.0111	6.534	.5037	.0269	4.996
	.084	-.5175	.0095	-167.036	-.2105	.0090	16.927	.3069	.0185	14.892
	.143				-.2504	.0077	10.618			
	.202	-.5344	.0070	-173.146	-.2666	.0060	15.873	.1472	.0103	2.864
	.261	-.4138	.0047	166.164	-.2511	.0072	10.474	.0664	.0138	13.770
	.320	-.3175	.0066	-162.634	-.2511	.0072	22.712	.0735	.0144	17.539
	.379	-.2925	.0076	-167.156	-.2191	.0069	28.687	.0593	.0147	21.321
	.438	-.3183	.0079	-162.435	-.2390	.0068	10.012	.0932	.0179	9.952
	.497	-.2980	.0099	-170.096	-.2048	.0080	20.523	.1281	.0177	20.378
	.556	-.2420	.0093	-159.753	-.1140	.0084	21.427	.2063	.0154	12.445
	.615	-.2285	.0091	-173.859	-.0222	.0064	45.892	.3394	.0154	24.484
	.674	-.2326	.0112	-164.327	-.1068	.0047	69.018	.4150	.0100	27.807
	.733	-.1626	.0081	-165.358	.2224	.0028	147.520	.4327	.0038	17.580
	.792	-.1099	.0055	-179.720	.3228	.0022	152.487	.4400	.0033	52.563
	.851	-.0534	.0061	-175.409	.3865	.0046	177.003			
	.910				.2313	.0042				
ETA = .875	.084	-.5136	.0079	163.682						
	.143	-.4632	.0058	164.097						
	.202									
	.261	-.3951	.0102	172.882						
	.320									
	.379	-.2527	.0275	-175.423						
	.438	-.2733	.0264	-166.177						
ETA = .981	.160				-.2837	.0065	12.926			

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367									
POINT NUMBER 874	MACH = .702	RN = 2.184*10E6	H = 474.000 PSF	ALPHA = -.008 DEG					
	Q = 100.526 PSF	GAMMA = 1.132	P = 360.275 PSF	CPSTAR = -.858					
	DELTA (MEAN) = -.070 DEG	DELTA (AMPL) = 1.998 DEG	OSCILLATION FREQUENCY = 15.010 HZ	K = .495					
ANALYZED VALUES :	DELTA (MEAN) = .114 DEG	DELTA (AMPL) = 1.954 DEG	OSCILLATION FREQUENCY = 15.030 HZ	K = .496					
X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-.8870	.0038	-173.595	-.1413	.0062	-2.339	.7457	.0100
	.087	-.5789	.0006	-142.574	-.2002	.0018	-13.036	.3788	.0022
	.148	-.5620	.0042	-144.490	-.2255	.0051	20.357	.3365	.0092
	.209	-.4558	.0038	-141.240	-.2060	.0042	-20.324	.2499	.0079
	.294	-.5172	.0014	-123.464	-.2748	.0039	63.080	.2425	.0053
	.350	-.4832	.0058	-168.656	-.2289	.0059	-11.859	.2544	.0117
	.407	-.5260	.0021	89.015	-.2592	.0020	18.872	.2669	.0029
	.463	-.5270	.0080	149.099	-.2311	.0058	-26.022	.2958	.0126
	.519	-.4908	.0010	123.776	-.1966	.0036	-10.058	.2942	.0044
	.579	-.4603	.0037	-151.147	-.1621	.0044	-26.022	.2981	.0072
	.659	-.3794	.0056	160.900	-.0803	.0050	-3.156	.4598	.0105
	.739	-.3987	.0017	-125.966	-.2726	.0023	13.319	.6713	.0038
	.819	-.2765	.0044	-156.221	-.3473	.0045	20.252	.6238	.0089
	.899	-.1558	.0016	63.991	-.4483	.0022	-45.299	.6041	.0031
	.974			.3267	.0020	63.880			
	.990	.0870	.0023	-54.812					
ETA = .871	.025	-.8133	.0198	160.594	-.1070	.0161	-14.335	.7063	.0359
	.084	-.6385	.0147	179.657	-.2241	.0132	-1.988	.4144	.0279
	.143	-.5328	.0136	169.838	-.2526	.0129	-10.789	.2802	.0265
	.202	-.5454	.0131	176.449	-.2368	.0129	-2.375	.3086	.0260
	.301	-.4098	.0169	-174.850	-.2600	.0198	1.375	.1498	.0367
	.354	-.4753	.0160	-178.132	-.2753	.0209	9.846	.2000	.0368
	.407	-.3552	.0161	177.950	-.2812	.0285	20.465	.0740	.0438
	.460	-.4362	.0250	-175.202	-.2913	.0245	17.967	.1450	.0495
	.513	-.4396	.0297	-164.266	-.2454	.0301	17.396	.1942	.0598
	.566	-.4601	.0385	-165.524	-.1939	.0365	15.593	.2852	.0750
	.680	-.3319	.0560	-164.349	-.0654	.0427	17.300	.3974	.0987
	.742	-.2621	.0694	-163.663	-.1705	.0543	17.617	.3974	.1237
	.830	-.2110	.0481	-167.364	-.1754	.0396	15.717	.3826	.1237
	.910	-.0605	.0120	-176.738	-.3244	.0232	23.482	.3849	.0342
	.975			.2417	.0114	23.969			
	.990	.1236	.0079	-173.178					
ETA = .972	.025	-.7014	.0340	-178.316	-.2017	.0275	4.183	.4998	.0615
	.092	-.5156	.0183	178.553	-.2122	.0179	1.023	.3034	.0362
	.126				-.2507	.0131	7.104		
	.160	-.5337	.0130	-176.986			1.798	.1447	.0262
	.227	-.4115	.0109	-174.746	-.2668	.0153	2.186	.0655	.0248
	.294	-.3172	.0121	-175.449	-.2517	.0129	22.475	.0718	.0306
	.362	-.2912	.0132	-160.737	-.2194	.0154	27.423	.0567	.0318
	.430	-.3169	.0151	-176.553	-.2602	.0147	26.384	.0913	.0300
	.497	-.2973	.0152	-167.124	-.2060	.0150	16.928	.1253	.0382
	.565	-.2400	.0208	-166.843	-.1146	.0174	23.981	.2038	.0264
	.632	-.2264	.0160	-166.581	-.0226	.0106	39.263	.3378	.0278
	.700	-.2312	.0195	-159.394	-.1066	.0086	24.105	.4138	.0189
	.767	-.1616	.0157	-173.209	-.2522	.0033	124.133	.4328	.0122
	.835	-.1098	.0124	-163.310	-.3230	.0063	167.546	.4390	.0085
	.902	-.0527	.0144	-176.633	-.3862	.0063			
	.973			.2310	.0080	171.430			
	.990	.0511	.0006	120.665					
ETA = .875	.084	-.5127	.0119	169.051					
	.143	-.4623	.0139	169.912					
	.202								
	.301	-.3937	.0213	178.386					
	.407								
	.513	-.2527	.0509	-175.291					
	.680	-.2698	.0493	-165.814					
	.830								
ETA = .981	.160				-.2836	.0093	-7.684		

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367										
POINT NUMBER	875	MACH = .700	RN = 2.180*10E6	H = 474.000 PSF	ALPHA = -.008 DEG					
		Q = 100.054 PSF	GAMMA = 1.132	P = 360.900 PSF	CPSTAR = -.869					
		DELTA (MEAN) = -.065 DEG	DELTA (AMPL) = 3.026 DEG	OSCILLATION FREQUENCY = 15.010 HZ	K = .497					
ANALYZED VALUES :		DELTA (MEAN) = .082 DEG	DELTA (AMPL) = 2.943 DEG	OSCILLATION FREQUENCY = 15.025 HZ	K = .497					
	X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-.8879	.0035	-161.561	-.1401	.0051	2.457	.7477	.0085	8.952
	.087	-.5804	.0049	-174.991	-.1995	.0029	2.850	.3809	.0078	4.206
	.148	-.5612	.0030	-177.629	-.2256	.0036	1.683	.3356	.0066	1.996
	.209	-.4559	.0046	-172.697	-.2058	.0050	5.144	.2502	.0096	6.178
	.294	-.5158	.0043	166.740	-.2746	.0051	-7.174	.2412	.0094	-9.957
	.350	-.4823	.0049	167.572	-.2284	.0061	5.939	.2540	.0109	-2.234
	.407	-.5257	.0042	162.851	-.2596	.0068	4.447	.2661	.0108	-3.770
	.463	-.5269	.0083	138.423	-.2320	.0075	-3.030	.2949	.0149	-23.318
	.519	-.4906	.0036	-170.954	-.1964	.0069	3.128	.2943	.0105	-5.157
	.579	-.4600	.0056	-176.398	-.1642	.0070	-12.671	.2958	.0125	-5.445
	.659	-.3811	.0051	177.558	-.0789	.0060	11.357	.4600	.0110	-5.019
	.739	-.3987	.0049	-157.626	-.2700	.0053	-4.197	.6687	.0099	8.558
	.819	-.2771	.0047	-164.700	-.3445	.0064	12.697	.6216	.0111	13.799
	.899	-.1569	.0015	-168.540	-.4459	.0048	7.068	.6027	.0063	8.114
	.974									
	.990	.0850	.0009	-80.151	.3232	.0036	2.171			
ETA = .871	.025	-.8138	.0296	161.882	-.1070	.0245	-11.072	.7068	.0540	-14.928
	.084	-.6393	.0225	174.069	-.2242	.0190	-10.670	.4151	.0415	-8.100
	.143	-.5336	.0188	173.207	-.2524	.0172	-10.579	.2812	.0360	-8.602
	.202	-.5445	.0221	172.555	-.2366	.0238	-7.184	.3079	.0459	-7.309
	.301	-.4093	.0238	-172.933	-.2602	.0262	-1.457	.1491	.0499	-2.600
	.354	-.4738	.0267	-172.286	-.2767	.0318	10.651	.1971	.0585	9.311
	.407	-.3530	.0242	174.469	-.2831	.0394	13.443	.0699	.0628	6.243
	.460	-.4355	.0392	-170.820	-.2908	.0379	12.680	.1447	.0771	10.900
	.513	-.4378	.0458	-166.160	-.2466	.0456	14.410	.1912	.0914	14.124
	.566	-.4597	.0555	-164.792	-.1954	.0529	18.358	.2644	.1084	16.746
	.680	-.3322	.0841	-164.212	-.0631	.0651	15.128	.3954	.1492	15.500
	.742	-.2630	.1039	-164.987	-.1166	.0800	15.616	.3795	.1839	15.275
	.830	-.2114	.0732	-164.896	-.3107	.0605	17.715	.5221	.1337	16.285
	.910	-.0630	.0186	-175.947	-.3190	.0352	27.298	.3820	.0528	19.307
	.975				.2373	.0150	33.662			
	.990	.1202	.0105	-171.895						
ETA = .972	.025	-.7036	.0514	177.692	-.2005	.0379	-.924	.5031	.0893	-1.721
	.092	-.5162	.0268	-178.499	-.2118	.0233	2.842	.3044	.0501	2.125
	.126				-.2502	.0208	.180			
	.160	-.5332	.0223	-178.644	-.2555	.0187	-1.402	.1437	.0329	2.363
	.227	-.4092	.0143	-172.712	-.2513	.0203	7.129	.0673	.0413	10.182
	.294	-.3186	.0211	-166.881	-.2196	.0210	14.350	.0726	.0420	13.328
	.362	-.2922	.0210	-167.695	-.2224	.0222	13.913	.0551	.0472	13.529
	.430	-.3175	.0250	-166.737	-.2071	.0252	12.984	.0909	.0497	11.815
	.497	-.2980	.0245	-169.387	-.1185	.0224	17.360	.1218	.0494	15.335
	.565	-.2402	.0270	-164.515	-.0250	.0183	21.790	.2014	.0452	19.539
	.632	-.2264	.0270	-165.341	-.1034	.0115	27.065	.3359	.0379	25.518
	.700	-.2324	.0266	-164.309	-.2491	.0057	41.570	.4112	.0279	30.473
	.767	-.1622	.0227	-164.713	-.3205	.0063	137.985	.4311	.0180	38.473
	.835	-.1107	.0210	-168.031	-.3848	.0122	167.030	.4403	.0088	50.006
	.902	-.0555	.0180	-167.134	.2277	.0096	175.858			
	.973									
	.990	.0484	.0054	-177.976						
ETA = .875	.084	-.5127	.0200	168.159						
	.143	-.4629	.0214	170.369						
	.202									
	.301	-.3938	.0316	175.863						
	.407									
	.513									
	.680	-.2536	.0783	-175.349						
	.830	-.2677	.0699	-166.227						
ETA = .981	.160				-.2839	.0165	1.690			

Table 4. Continued

U N S T E A D Y P R E S S U R E S - TDT TEST 367									
POINT NUMBER 876		MACH = .701		RN = 2.180*10E6		H = 473.875 PSF		ALPHA = -.008 DEG	
		Q = 100.221 PSF		GAMMA = 1.132		P = 360.550 PSF		CPSTAR = -.864	
		DELTA (MEAN) = -.010 DEG		DELTA (AMPL) = 1.029 DEG		OSCILLATION FREQUENCY = 20.122 HZ		K = .665	
ANALYZED VALUES :		DELTA (MEAN) = .164 DEG		DELTA (AMPL) = 1.002 DEG		OSCILLATION FREQUENCY = 20.141 HZ		K = .666	
X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-.8900	.0013	-108.146	-.1429	.0017	16.929	.7471	.0027
	.087	-.5825	.0020	140.448	-.2023	.0005	-32.700	.3802	.0025
	.148	-.5644	.0017	120.658	-.2279	.0008	-128.762	.3365	.0021
	.209	-.4590	.0019	-175.938	-.2081	.0012	-50.251	.2509	.0028
	.294	-.5203	.0027	151.395	-.2763	.0023	-41.873	.2441	.0050
	.350	-.4862	.0021	154.494	-.2315	.0011	-62.404	.2547	.0031
	.407	-.5293	.0005	-155.193	-.2607	.0009	-50.590	.2686	.0011
	.463	-.5305	.0072	160.088	-.2335	.0019	-1.983	.2969	.0090
	.519	-.4935	.0014	-126.734	-.1980	.0029	-2.151	.2955	.0039
	.579	-.4640	.0026	172.078	-.1660	.0018	-28.890	.2980	.0043
	.659	-.3833	.0022	163.231	-.0782	.0025	-5.117	.4615	.0047
	.739	-.4019	.0022	-138.809	-.2701	.0022	1.216	.6721	.0041
	.819	-.2795	.0023	-169.751	-.3454	.0019	-31.370	.6248	.0039
	.899	-.1581	.0006	144.962	-.4467	.0015	-73.253	.6048	.0020
	.974				.3259	.0004	-47.939		
	.990	.0855	.0010	-118.529					
ETA = .871	.025	-.8140	.0099	126.434	-.1104	.0077	-47.123	.7035	.0176
	.084	-.6416	.0078	137.146	-.2268	.0056	-44.908	.4148	.0134
	.143	-.5355	.0057	160.864	-.2546	.0038	-26.535	.2809	.0095
	.202	-.5479	.0082	158.229	-.2402	.0068	-25.570	.3076	.0150
	.301	-.4129	.0083	-178.058	-.2621	.0089	-14.089	.1507	.0170
	.354	-.4776	.0095	-173.106	-.2761	.0120	5.589	.2015	.0215
	.407	-.3577	.0080	172.785	-.2825	.0165	12.324	.0752	.0242
	.460	-.4404	.0137	-176.673	-.2916	.0114	4.728	.1488	.0251
	.513	-.4441	.0147	-162.102	-.2461	.0142	16.362	.1980	.0289
	.566	-.4642	.0192	-157.323	-.1952	.0195	22.778	.2689	.0387
	.680	-.3367	.0322	-161.624	-.0655	.0231	15.651	.4022	.0553
	.742	-.2664	.0362	-161.460	-.1203	.0269	18.401	.3867	.0631
	.830	-.2150	.0264	-157.375	-.3153	.0208	18.360	.5303	.0472
	.910	-.0580	.0026	162.655	-.3236	.0119	32.047	.3816	.0137
	.975				.2404	.0061	35.325		
	.990	.1228	.0039	-162.563					
ETA = .972	.025	-.7049	.0151	154.041	-.2040	.0118	-23.641	.5009	.0269
	.092	-.5187	.0087	170.268	-.2140	.0071	-19.438	.3047	.0157
	.126				-.2548	.0069	-17.539		
	.160	-.5363	.0072	170.542	-.2695	.0060	-17.076	.1467	.0116
	.227	-.4162	.0058	-174.398	-.2542	.0063	3.862	.0649	.0137
	.294	-.3191	.0074	-170.049	-.2222	.0071	11.331	.0729	.0146
	.362	-.2951	.0075	-162.536	-.2622	.0077	3.420	.0590	.0169
	.430	-.3212	.0093	-166.471	-.2086	.0071	10.180	.0916	.0147
	.497	-.3002	.0076	-164.226	-.1161	.0090	27.493	.1281	.0179
	.565	-.2442	.0089	-156.718	-.0242	.0067	25.347	.2058	.0160
	.632	-.2300	.0093	-162.117	-.1054	.0033	25.810	.3403	.0126
	.700	-.2350	.0094	-165.921	-.2507	.0017	75.446	.4159	.0097
	.767	-.1652	.0085	-155.249	-.3210	.0021	137.282	.4336	.0071
	.835	-.1226	.0080	-165.583	-.3846	.0047	-174.882	.4413	.0014
	.902	-.0567	.0056	-163.325	-.2281	.0033	167.575		
	.973								
	.990	.0479	.0011	-119.198					
ETA = .875	.084	-.5163	.0068	155.245					
	.143	-.4675	.0068	150.877					
	.202								
	.301	-.4012	.0106	172.507					
	.407								
	.513	-.2563	.0278	-172.399					
	.680	-.2731	.0259	-162.995					
	.830								
ETA = .981	.160				-.2858	.0051	-22.693		

Table 4. Continued

UNSTEADY PRESSURES -						TDT TEST 367				
POINT NUMBER 877		MACH = .703		RN = 2.187*10E6		H = 474.750 PSF		ALPHA = -.009 DEG		
		Q = 100.776 PSF		GAMMA = 1.132		P = 360.725 PSF		CPSTAR = -.856		
		DELTA (MEAN) = -.063 DEG		DELTA (AMPL) = 2.037 DEG		OSCILLATION FREQUENCY = 20.121 HZ		K = .663		
ANALYZED VALUES :		DELTA (MEAN) = .111 DEG		DELTA (AMPL) = 1.991 DEG		OSCILLATION FREQUENCY = 20.141 HZ		K = .664		
	X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-.8892	.0034	.149	-.1439	.0019	-51.335	.7453	.0027	-146.005
	.087	-.5831	.0028	131.587	-.2024	.0008	-40.155	.3806	.0036	-46.581
	.148	-.5644	.0030	102.752	-.2283	.0021	7.744	.3362	.0038	-43.936
	.209	-.4590	.0034	103.688	-.2078	.0028	-5.917	.2512	.0051	-45.020
	.294	-.5197	.0021	137.970	-.2770	.0035	-34.668	.2427	.0056	-37.427
	.350	-.4852	.0046	151.613	-.2321	.0022	-52.633	.2531	.0067	-36.174
	.407	-.5288	.0058	124.821	-.2624	.0031	20.098	.2664	.0072	-30.708
	.463	-.5295	.0075	142.255	-.2342	.0058	-5.576	.2952	.0126	-21.622
	.519	-.4931	.0027	-155.136	-.1989	.0037	-15.632	.2942	.0060	1.317
	.579	-.4629	.0061	175.048	-.1662	.0028	-37.234	.2968	.0086	-14.968
	.659	-.3830	.0062	140.294	.0774	.0039	4.919	.4604	.0094	-22.732
	.739	-.4022	.0037	150.577	.2695	.0042	4.318	.6717	.0076	-11.453
	.819	-.2800	.0039	-160.725	.3435	.0032	-9.857	.6235	.0069	6.177
	.899	-.1597	.0039	174.073	.4460	.0010	-41.881	.6057	.0047	-13.034
	.974				.3234	.0026	74.901			
	.990	.0832	.0018	74.467						
ETA = .871	.025	-.8165	.0164	117.109	-.1090	.0147	-52.389	.7074	.0310	-57.928
	.084	-.6423	.0161	138.195	-.2264	.0088	-39.839	.4159	.0249	-41.110
	.143	-.5358	.0134	139.429	-.2541	.0082	-17.230	.2817	.0212	-31.747
	.202	-.5472	.0147	145.219	-.2392	.0149	-20.888	.3080	.0294	-27.787
	.301	-.4127	.0175	-177.769	-.2615	.0164	-13.541	.1513	.0336	-5.398
	.354	-.4770	.0199	178.722	-.2779	.0205	11.391	.1991	.0402	5.151
	.407	-.3565	.0167	158.270	-.2840	.0296	17.611	.0724	.0438	3.628
	.460	-.4394	.0264	-173.963	-.2924	.0263	10.036	.1471	.0527	8.033
	.513	-.4421	.0322	-165.941	-.2473	.0292	12.109	.1948	.0614	13.132
	.566	-.4636	.0397	-163.052	-.1965	.0365	24.467	.2671	.0760	20.549
	.680	-.3358	.0600	-164.062	.0622	.0475	17.693	.3980	.1075	16.713
	.742	-.2646	.0726	-162.261	.1167	.0580	18.502	.3813	.1306	18.078
	.830	-.2144	.0539	-160.832	.3116	.0422	16.930	.5260	.0961	18.185
	.910	-.0616	.0149	176.574	.3212	.0238	35.096	.3829	.0367	20.430
	.975				.2380	.0121	39.046			
	.990	.1207	.0075	-179.557						
ETA = .972	.025	-.7048	.0329	155.011	-.2055	.0230	-26.659	.4994	.0559	-25.676
	.092	-.5191	.0191	161.314	-.2154	.0134	-7.103	.3037	.0323	-13.913
	.126				-.2546	.0128	-2.974			
	.160	-.5364	.0151	163.170						
	.227	-.4149	.0104	-173.914	-.2689	.0121	-12.468	.1459	.0222	-3.898
	.294	-.3196	.0150	-172.683	-.2546	.0126	-3.419	.0650	.0275	2.417
	.362	-.2950	.0158	-175.919	-.2227	.0126	21.353	.0722	.0281	11.736
	.430	-.3211	.0183	-173.102	-.2637	.0161	20.305	.0574	.0342	13.171
	.497	-.3008	.0177	-166.306	-.2098	.0164	10.725	.0910	.0341	12.266
	.565	-.2442	.0203	-163.309	-.1181	.0142	26.717	.1262	.0344	20.815
	.632	-.2304	.0194	-168.396	-.0252	.0123	32.920	.2052	.0312	19.848
	.700	-.2351	.0189	-164.992	.1042	.0089	39.423	.3393	.0273	22.765
	.767	-.1655	.0157	-159.551	.2494	.0048	45.933	.4150	.0201	26.335
	.835	-.1129	.0167	-165.101	.3194	.0056	150.485	.4323	.0133	32.048
	.902	-.0574	.0136	-172.774	.3826	.0101	159.088	.4400	.0067	52.647
	.973				.2267	.0060	165.772			
	.990	.0471	.0034	157.900						
ETA = .875	.084	-.5152	.0158	146.771						
	.143	-.4661	.0142	151.498						
	.202									
	.301	-.4002	.0221	165.020						
	.407									
	.513	-.2551	.0529	-174.261						
	.680	-.2707	.0522	-163.836						
ETA = .981	.160				-.2867	.0110	-13.355			

POINT NUMBER 878

MACH = .701 RN = 2.181*10E6
Q = 100.320 PSF GAMMA = 1.132
DELTA (MEAN) = -.084 DEG DELTA (AMPL) = 3.029 DEG

H = 474.050 PSF ALPHA = -.008 DEG
P = 360.600 PSF CPSTAR = -.863
OSCILLATION FREQUENCY = 20.121 HZ K = .665

ANALYZED VALUES : DELTA (MEAN) = .076 DEG DELTA (AMPL) = 2.944 DEG OSCILLATION FREQUENCY = 20.141 HZ K = .665

	X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025 .087 .148 .209 .294 .350 .407 .463 .519 .579 .659 .739 .819 .899 .974 .990	-.8871 -.9578 -.9587 -.9532 -.9513 -.9519 -.9479 -.9521 -.9528 -.9552 -.9487 -.9552 -.9437 -.9519 -.9530	.0022 .0017 .0020 .0038 .0038 .0052 .0051 .0113 .0051 .0081 .0036 .0081 .0075 .0062 .0038	5.765 52.164 151.033 159.598 159.332 140.732 158.716 141.333 151.527 168.278 170.995 156.899 178.764 174.473 173.980	-.1351 -.1944 -.2213 -.2013 -.2270 -.2704 -.2853 -.2833 -.2883 -.1903 -.1603 -.0830 -.2738 -.3493 -.4350 -.3290	.0013 .0005 .0014 .0011 .0022 .0027 .0028 .0029 .0047 .0064 .0048 .0089 .0088 .0054 .0049 .0025	-31.548 -4.578 -4.130 -23.130 -24.337 -24.837 -22.012 -22.012 -14.009 -2.866 -17.239 -2.244 -1.715 5.843 -10.425	.7521 .3845 .3845 .3082 .3519 .2531 .2553 .2553 .2553 .2595 .2595 .4588 .6588 .6244 .6039	.0014 .0018 .0034 .0070 .0064 .0080 .0093 .0182 .0080 .0170 .0121 .0117 .0103 .0087	-140.184 -72.070 -26.565 -25.193 -31.613 -31.613 -20.611 -23.657 -23.657 -14.498 -14.498 -2.221 -2.221 -2.221 -2.221
	.0888	.0013	171.208							
ETA = .871	.025 .084 .143 .202 .301 .354 .407 .460 .513 .566 .680 .742 .830 .910 .975 .990	-.8074 -.6335 -.5528 -.5403 -.4042 -.4668 -.3349 -.4314 -.4342 -.4553 -.3228 -.2561 -.2048 -.0581 .1250	.0264 .0206 .0186 .0218 .0250 .0307 .0232 .0397 .0456 .0565 .0889 .1076 .0762 .0194	126.398 143.904 148.846 150.315 176.561 176.400 164.142 174.662 167.280 161.478 163.083 163.075 162.424 177.727	-.1028 -.2203 -.2487 -.2521 -.2559 -.2727 -.2803 -.2852 -.2417 -.1904 -.0678 -.1211 -.3155 -.3252 -.2431	.0207 .0135 .0134 .0241 .0221 .0325 .0401 .0380 .0470 .0533 .0881 .0839 .0373 .0170	-39.876 -28.926 -22.444 -22.794 -20.908 -4.908 7.277 10.438 11.438 16.202 20.813 15.627 18.332 30.627 37.848	.7046 .4131 .3082 .2882 .3488 .1968 .0689 .1968 .1968 .2665 .3379 .5202 .5202 .3853	.0468 .0360 .0319 .0438 .0490 .0632 .0618 .0776 .0926 .0926 .1570 .1901 .1401 .0551	-47.573 -33.026 -37.512 -25.820 5.491 5.491 8.858 8.858 14.487 16.655 17.353 17.990 21.010
ETA = .972	.025 .092 .126 .160 .227 .294 .362 .430 .497 .565 .632 .700 .767 .835 .902 .973 .990	-.6988 -.5113 -.5287 -.4052 -.3144 -.2877 -.3124 -.2938 -.2366 -.2230 -.2276 -.1580 -.1060 -.0501	.0436 .0244 .0202 .0146 .0221 .0216 .0252 .0248 .0290 .0278 .0290 .0232 .0207 .0183	154.428 165.553 170.181 174.715 177.482 174.797 168.649 170.498 165.969 165.353 162.939 162.105 170.235 168.112	-.1974 -.2084 -.2493 -.2627 -.2486 -.2154 -.2580 -.2020 -.1119 -.0203 -.1090 -.2533 -.3249 -.3886 -.2322	.0335 .0220 .0175 .0165 .0200 .0205 .0219 .0246 .0245 .0184 .0128 .0087 .0067 .0138 .0106	-20.675 -11.028 -13.069 -8.866 3.622 15.636 15.827 15.466 22.125 26.450 34.010 46.606 139.216 167.393 167.908	.5014 .3029 .1425 .0658 .0723 .0944 .0944 .0944 .1250 .2022 .3367 .4111 .4309 .4387	.0770 .0464 .0309 .0421 .0419 .0471 .0493 .0534 .0534 .0460 .0414 .0310 .0172 .0081	-23.444 -12.825 -2.225 -3.043 10.770 13.432 13.770 17.737 19.344 20.230 20.230 23.31 56.786
ETA = .875	.084 .143 .202 .301 .407 .513 .680 .830	-.5071 -.4576 -.3925 -.2486 -.2619	.0181 .0218 .0315 .0768 .0715	149.492 155.177 168.581 -175.443 -162.315						
ETA = .981	.160				-.2800	.0138	-10.083			

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367

POINT NUMBER 880

MACH = .698
 $Q = 99.670$ PSF
 DELTA (MEAN) = .011 DEG

RN = 2.175×10^6
 GAMMA = 1.132
 DELTA (AMPL) = 1.023 DEG

H = 474.475 PSF
 P = 361.900 PSF
 OSCILLATION FREQUENCY = 5.010 HZ

ALPHA = 2.000 DEG
 CPSTAR = -.879
 K = .166

ANALYZED VALUES : DELTA (MEAN) = .177 DEG DELTA (AMPL) = .992 DEG OSCILLATION FREQUENCY = 5.025 HZ K = .167

	X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-1.6159	.0033	36.132	.1937	.0047	-171.618	1.8096	.0078	-160.218
	.087	-.8877	.0021	111.987	.0240	.0026	-173.494	.9117	.0024	-137.396
	.148	-.8115	.0044	83.968	-.0534	.0008	-108.530	.7581	.0052	-98.200
	.209	-.6336	.0039	60.942	-.0663	.0052	28.131	.5673	.0028	-19.488
	.294	-.6332	.0016	40.757	-.1533	.0018	13.331	.5059	.0008	-49.343
	.350	-.6106	.0010	20.933	-.1322	.0022	-11.996	.4782	.0015	-33.773
	.407	-.6327	.0016	59.939	-.1626	.0038	-64.616	.4655	.0049	-80.321
	.463	-.6180	.0079	44.932	-.1653	.0027	-62.306	.4551	.0091	-118.976
	.519	-.5671	.0015	121.951	-.1753	.0044	-82.899	.4418	.0058	-76.827
	.579	-.5212	.0009	149.955	-.1011	.0026	-90.922	.4100	.0023	-71.138
	.659	-.4163	.0014	147.009	-.1015	.0015	-167.855	.5205	.0005	123.185
	.739	-.4091	.0020	163.901	-.3539	.0009	-154.824	.6930	.0011	9.349
	.819	-.2746	.0019	169.908	-.3501	.0008	140.681	.6248	.0015	34.321
	.899	-.1450	.0034	143.805	-.4462	.0010	171.692	.5911	.0028	50.817
	.974									
	.990	.0680	.0032	178.546	.3179	.0026	100.752			
ETA = .871	.025	-1.6366	.0090	60.135	.2347	.0038	-71.082	1.8713	.0119	-105.911
	.084	-.8566	.0032	153.120	-.0007	.0043	-55.264	.8559	.0073	-43.196
	.143	-.7716	.0036	94.719	-.0896	.0039	-42.351	.6860	.0070	-62.915
	.202	-.7250	.0035	117.078	-.0971	.0046	-47.874	.6279	.0080	-54.370
	.301	-.5463	.0042	141.981	-.1541	.0065	-26.469	.3920	.0106	-31.116
	.354	-.5835	.0049	173.925	-.1888	.0065	-13.920	.3951	.0114	-10.721
	.407	-.4610	.0062	178.921	-.2111	.0077	-6.029	.2495	.0139	-3.861
	.460	-.5226	.0118	167.851	-.2200	.0086	1.712	.2926	.0203	7.749
	.513	-.4077	.0147	171.919	-.1857	.0114	11.200	.3120	.0261	9.556
	.566	-.5057	.0181	171.480	-.1514	.0150	19.324	.3544	.0330	13.961
	.680	-.3575	.0269	171.600	-.0826	.0180	11.809	.4400	.0449	9.763
	.742	-.2845	.0301	174.093	-.1287	.0227	13.541	.4132	.0527	9.188
	.830	-.2107	.0201	177.493	-.3205	.0189	11.098	.5312	.0367	6.424
	.910	-.0439	.0018	79.393	.2374	.0037	18.785	.3696	.0082	7.716
	.975									
	.990	.1027	.0068	167.100						
ETA = .972	.025	-1.4495	.0134	93.718	.1230	.0063	-68.398	1.5725	.0195	-80.586
	.092	-.7181	.0018	142.021	-.0432	.0037	-62.650	.6749	.0038	-34.938
	.126				-.1129	.0039	-59.908			
	.160	-.6665	.0035	170.075	-.1906	.0025	-40.796	.2868	.0074	-10.601
	.227	-.4774	.0054	177.137	-.1970	.0032	-14.508	.2000	.0090	1.590
	.294	-.3970	.0060	169.906	-.1812	.0038	17.180	.1643	.0117	12.890
	.362	-.3454	.0079	169.173	-.2333	.0049	22.291	.1285	.0131	8.678
	.430	-.3618	.0084	179.214	-.2183	.0051	25.172	.1522	.0148	5.541
	.497	-.3337	.0101	175.994	-.1283	.0060	29.929	.1468	.0155	5.784
	.565	-.2751	.0101	171.934	-.0127	.0056	31.584	.2409	.0144	10.582
	.632	-.2536	.0094	178.954	-.0948	.0036	29.309	.3513	.0134	3.529
	.700	-.1888	.0103	174.785	-.2413	.0026	28.881	.4301	.0111	3.663
	.767	-.1397	.0088	176.431	-.3051	.0007	12.841	.4428	.0076	-13.308
	.835	-.1077	.0070	164.166	-.3597	.0021	-165.484	.4370	.0028	-24.346
	.902	-.0773	.0046	172.299	.2073	.0026	-150.929			
	.975									
	.990	.0394	.0010	98.400						
ETA = .875	.084	-.7396	.0054	148.723						
	.143	-.6141	.0053	131.859						
	.202									
	.301	-.4891	.0091	159.475						
	.407									
	.513	-.2782	.0256	-177.478						
	.680	-.2652	.0217	-172.477						
	.830									
ETA = .981	.160				-.1941	.0051	-37.220			

Table 4. Continued

UNSTEADY PRESSURES -						TDT TEST 367				
POINT NUMBER 881		MACH = .703		RN = 2.186*10E6		H = 475.225 PSF		ALPHA = 2.000 DEG		
		Q = 100.884 PSF		GAMMA = 1.132		P = 361.075 PSF		CPSTAR = -.856		
		DELTA (MEAN) = -.054 DEG		DELTA (AMPL) = 2.026 DEG		OSCILLATION FREQUENCY = 5.010 HZ		K = .165		
ANALYZED VALUES :		DELTA (MEAN) = .126 DEG		DELTA (AMPL) = 1.978 DEG		OSCILLATION FREQUENCY = 5.020 HZ		K = .165		
	X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-1.6310	.0111	18.238	.1983	.0073	-148.917	1.8293	.0183	-156.671
	.087	-.8923	.0048	21.684	.0274	.0046	-138.594	.9197	.0093	-148.667
	.148	-.8073	.0070	44.471	-.0490	.0041	-130.850	.7584	.0111	-133.801
	.209	-.6321	.0044	56.407	-.0648	.0037	-38.491	.5674	.0060	-85.577
	.294	-.6616	.0031	103.596	-.1545	.0019	-89.709	.5071	.0050	-81.453
	.350	-.6092	.0046	107.183	-.1316	.0013	-89.156	.4776	.0059	-76.396
	.407	-.6312	.0048	105.188	-.1663	.0025	-100.813	.4650	.0071	-83.652
	.463	-.6175	.0076	64.716	-.1626	.0004	-134.850	.4549	.0080	-116.246
	.519	-.6522	.0042	169.409	-.1222	.0037	-13.172	.4430	.0079	-11.800
	.579	-.5191	.0026	156.931	-.1091	.0016	-73.044	.4100	.0038	-41.725
	.659	-.4126	.0035	150.427	-.1072	.0022	19.525	.5198	.0052	-10.971
	.739	-.3071	.0040	165.542	-.2860	.0032	1.918	.6932	.0072	-8.444
	.819	-.2715	.0047	169.461	-.3537	.0018	6.496	.6252	.0065	9.420
	.899	-.1439	.0024	-179.826	.4500	.0015	-11.173	.5939	.0039	-4.186
	.974				.3209	.0014	30.815			
	.990	.0711	.0020	-170.144						
ETA = .871	.025	-1.6513	.0143	42.066	.2387	.0060	-103.987	1.8900	.0196	-128.074
	.084	-.8531	.0109	177.786	.0015	.0053	-70.086	.8546	.0131	-15.983
	.143	-.7693	.0075	113.369	-.0828	.0061	-46.719	.6865	.0135	-54.395
	.202	-.7219	.0088	144.936	-.0941	.0073	-34.220	.6378	.0158	-34.212
	.261	-.6269	.0109	174.926	-.1516	.0105	-35.699	.6913	.0214	-35.871
	.320	-.5486	.0139	175.441	-.1854	.0148	-95.555	.3954	.0287	-7.238
	.379	-.4808	.0144	168.081	-.2069	.0157	3.818	.3522	.0298	-3.709
	.438	-.4107	.0213	176.352	-.2172	.0219	5.999	.3935	.0432	4.840
	.497	-.3907	.0295	174.674	-.1829	.0250	6.169	.3121	.0545	5.713
	.556	-.3224	.0341	175.282	-.1435	.0290	6.239	.3539	.0631	5.417
	.615	-.2834	.0517	172.863	-.0832	.0383	6.010	.4355	.0900	6.658
	.674	-.2324	.0607	172.398	-.1288	.0468	6.796	.4118	.1075	7.251
	.733	-.1830	.0390	171.317	-.3224	.0298	9.051	.5300	.0688	8.842
	.792	-.1306	.0040	175.464	.3250	.0165	16.542	.5747	.0203	12.475
	.851				.2382	.0046	36.131			
	.910									
	.969	.1025	.0157	-174.248						
ETA = .972	.025	-1.4443	.0289	99.745	.1256	.0106	-72.922	1.5698	.0394	-78.289
	.084	-.7221	.0058	153.299	-.0404	.0074	-34.677	.6817	.0132	-31.173
	.143				-.1111	.0075	-38.104			
	.202	-.6651	.0084	167.231	-.1891	.0093	-10.683	.2867	.0187	-9.844
	.261	-.4758	.0094	170.985	-.1934	.0091	-4.145	.2001	.0193	1.633
	.320	-.3955	.0103	-173.265	-.1802	.0083	3.571	.1645	.0223	1.936
	.379	-.3447	.0140	176.966	-.2319	.0114	3.799	.1282	.0246	3.880
	.438	-.3601	.0132	-173.727	-.1800	.0124	6.723	.1518	.0280	3.872
	.497	-.3319	.0156	-176.394	-.1800	.0098	6.669	.1447	.0271	2.886
	.556	-.2730	.0174	179.072	-.1214	.0081	16.797	.2408	.0255	6.575
	.615	-.2522	.0176	-178.110	-.0970	.0046	18.389	.3515	.0235	7.299
	.674	-.2545	.0190	-175.370	.2440	.0017	24.023	.4304	.0189	3.055
	.733	-.1864	.0173	-178.960	.3085	.0035	173.101	.4441	.0123	-1.940
	.792	-.1356	.0158	176.963	.3635	.0084	175.375	.4383	.0050	9.746
	.851	-.0749	.0133	-179.273	.2101	.0056	171.506			
	.910									
	.969	.0399	.0049	176.957						
ETA = .875	.084	-.7376	.0070	128.494						
	.143	-.6119	.0083	140.168						
	.202									
	.261	-.4862	.0180	167.999						
	.320									
	.379	-.2742	.0500	-175.346						
	.438	-.2613	.0426	-172.080						
ETA = .981	.160				-.1914	.0062	-36.709			

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367

POINT NUMBER 884

MACH = .700

RN = 2.182*10E6

H = 475.400 PSF

ALPHA = 1.999 DEG

Q = .100.437 PSF

GAMMA = 1.132

P = 361.850 PSF

CPSTAR = -.867

DELTA (MEAN) = -.004 DEG

DELTA (AMPL) = 3.044 DEG

OSCILLATION FREQUENCY = 5.021 HZ

K = .166

ANALYZED VALUES :

DELTA (MEAN) = .085 DEG

DELTA (AMPL) = 2.969 DEG

OSCILLATION FREQUENCY = 5.013 HZ

K = .166

	X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-1.6210	.0157	26.897	.1961	.0126	-165.879	1.8171	.0281	-158.788
	.087	-.8915	.0084	32.732	-.0230	.0067	-177.434	.9145	.0146	-166.613
	.148	-.8061	.0059	74.562	-.0504	.0069	-142.502	.7557	.0121	-125.470
	.209	-.6324	.0038	86.840	-.0659	.0019	-137.257	.5965	.0095	-101.196
	.294	-.6624	.0026	83.037	-.1571	.0037	-140.082	.5053	.0087	-113.869
	.350	-.6085	.0020	116.074	-.1318	.0042	-86.558	.4768	.0069	-77.534
	.407	-.6033	.0019	129.977	-.1686	.0038	-121.165	.4647	.0115	-92.248
	.463	-.6166	.0017	181.584	-.1630	.0033	-84.821	.4536	.0107	-94.020
	.519	-.5640	.0015	172.642	-.1235	.0042	-53.483	.4405	.0082	-19.173
	.579	-.4206	.0012	172.721	-.1137	.0047	-91.511	.4069	.0084	-26.356
	.639	-.4132	.0011	177.457	-.1051	.0034	9.100	.5183	.0092	1.755
	.699	-.4082	.0010	153.297	-.8227	.0059	17.233	.6910	.0082	9.019
	.759	-.2736	.0009	151.345	-.3499	.0059	-.594	.6235	.0105	13.619
	.819	-.1415	.0008	159.008	-.4483	.0016	72.076	.5898	.0054	-3.643
	.879				-.3177	.0030	40.736			
	.940	.0678	.0020	27.767						
ETA = .871	.025	-1.6406	.0227	53.304	-.2366	.0119	-113.882	1.8773	.0344	-122.297
	.084	-.8544	.0120	177.938	-.0005	.0071	-83.156	.8537	.0190	-19.847
	.143	-.7669	.0098	133.024	-.0828	.0099	-50.147	.6840	.0191	-48.520
	.202	-.7212	.0092	156.456	-.0965	.0125	-51.125	.6247	.0269	-35.964
	.261	-.5410	.0189	169.368	-.1538	.0162	-14.752	.3872	.0351	-12.534
	.320	-.5766	.0170	178.842	-.1854	.0222	-.568	.3911	.0417	-.218
	.379	-.5082	.0127	179.941	-.2109	.0266	-3.607	.2473	.0488	-1.957
	.438	-.5090	.0330	178.573	-.2186	.0305	1.876	.2903	.0635	1.642
	.497	-.5035	.0389	177.432	-.1850	.0377	8.087	.3105	.0765	5.284
	.556	-.5036	.0505	173.419	-.1512	.0459	7.849	.3523	.0964	7.184
	.615	-.3491	.0774	174.763	-.0824	.0596	6.620	.4316	.1330	5.815
	.674	-.2818	.0896	173.960	-.1261	.0692	8.580	.4079	.1588	7.147
	.733	-.2042	.0584	171.320	-.3176	.0501	8.623	.5218	.1085	8.654
	.792	-.0501	.0079	174.527	-.3241	.0228	6.781	.3743	.0307	6.444
	.851			.2323		.0037	64.159			
	.910	.0970	.0248	174.296						
	.970									
ETA = .972	.025	-1.4411	.0414	105.079	-.1220	.0179	-72.520	1.5630	.0593	-74.196
	.084	-.7186	.0106	167.079	-.0428	.0112	-51.791	.6758	.0206	-32.912
	.143			-.1125		.0104	-31.777			
	.202	-.6622	.0135	162.436						
	.261	-.4753	.0166	174.819	-.1927	.0138	-22.917	.2826	.0300	-13.226
	.320	-.3949	.0168	171.141	-.1969	.0127	-3.646	.1980	.0295	-6.615
	.379	-.3455	.0190	171.296	-.1819	.0131	11.508	.1636	.0316	-.474
	.438	-.3614	.0186	176.375	-.2352	.0185	9.597	.1262	.0370	6.603
	.497	-.3296	.0262	176.736	-.1804	.0164	2.912	.1493	.0425	-.887
	.556	-.2736	.0249	176.930	-.1305	.0153	11.250	.1431	.0399	2.372
	.615	-.2534	.0255	177.262	-.10135	.0118	15.233	.2398	.0371	6.683
	.674	-.2525	.0314	172.719	-.0953	.0062	1.102	.3478	.0376	6.263
	.733	-.1872	.0284	178.115	-.2403	.0023	166.231	.4275	.0262	-.847
	.792	-.1343	.0248	175.259	-.3075	.0061	-179.955	.4418	.0187	6.269
	.851	-.0742	.0245	172.697	-.3616	.0115	-172.716	.4358	.0130	7.319
	.910			.2072		.0096	-162.110			
	.970	.0371	.0118	-173.115						
ETA = .875	.084	-.7374	.0134	141.681						
	.143	-.6091	.0150	136.479						
	.202									
	.261	-.4850	.0269	171.729						
	.320									
	.379	-.2733	.0732	-177.221						
	.438	-.2583	.0598	-171.890						
	.497									
	.556									
	.615									
	.674									
	.733									
	.792									
	.851									
	.910									
	.970									
ETA = .981	.160				-.1926	.0099	-27.363			

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367

POINT NUMBER 885

MACH = .701
 Q = 100.599 PSF
 DELTA (MEAN) = .006 DEG

RN = 2.182*10E6
 GAMMA = 1.132
 DELTA (AMPL) = 1.019 DEG

H = 475.200 PSF
 P = 361.425 PSF
 OSCILLATION FREQUENCY = 15.041 HZ

ALPHA = 2.000 DEG
 CPSTAR = -.862
 K = .496

ANALYZED VALUES : DELTA (MEAN) = .167 DEG DELTA (AMPL) = .997 DEG OSCILLATION FREQUENCY = 15.040 HZ K = .496

	X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-1.6303	.0015	55.191	.2001	.0009	-50.202	1.8304	.0019	-98.290
	.087	-.8924	.0024	-179.578	.0282	.0018	-13.300	.9206	.0042	-5.937
	.148	-.8066	.0022	171.435	-.0497	.0018	-28.670	.7570	.0039	-17.660
	.209	-.6320	.0015	173.644	-.0633	.0012	100.593	.5687	.0016	38.587
	.294	-.6595	.0011	-174.685	-.1542	.0018	-13.908	.5053	.0029	-6.638
	.350	-.6077	.0022	142.836	-.1306	.0016	-63.608	.4770	.0037	-48.261
	.407	-.6300	.0016	-116.466	-.1646	.0014	47.232	.4653	.0030	55.829
	.463	-.6154	.0080	134.393	-.1624	.0022	-3.015	.4531	.0097	-36.807
	.519	-.5631	.0016	-94.653	-.1221	.0014	-18.158	.4409	.0019	38.429
	.579	-.5183	.0035	-160.041	-.1095	.0027	-27.624	.4088	.0057	-1.577
	.659	-.4118	.0025	129.066	-.1063	.0013	-29.488	.5182	.0037	-43.633
	.739	-.4067	.0008	-84.378	-.2848	.0018	-1.183	.6915	.0019	23.795
	.819	-.2714	.0014	-172.568	.3527	.0008	-11.336	.6241	.0022	.629
	.899	-.1430	.0023	-112.402	.4485	.0012	56.357	.5915	.0035	63.749
	.974				.3203	.0009	10.167			
	.990	.0707	.0015	-156.085						
ETA = .871	.025	-1.6484	.0055	144.161	.2395	.0059	-7.594	1.8879	.0111	-21.211
	.084	-.8522	.0033	86.933	.0038	.0047	-20.662	.8560	.0065	-49.565
	.143	-.7685	.0052	171.246	-.0798	.0041	-4.207	.6887	.0093	-6.790
	.202	-.7198	.0071	167.438	-.0925	.0067	-12.544	.6273	.0138	-12.553
	.301	-.5415	.0068	-163.305	-.1500	.0068	.608	.3915	.0135	8.652
	.354	-.5770	.0097	-170.661	-.1837	.0105	17.321	.3933	.0202	13.488
	.407	-.4577	.0066	169.029	-.2069	.0111	14.242	.2508	.0173	4.889
	.460	-.5093	.0127	-160.276	-.2159	.0124	8.383	.2934	.0250	14.121
	.513	-.4959	.0132	-165.269	-.1819	.0142	6.461	.3140	.0273	10.445
	.566	-.5031	.0161	-159.187	-.1477	.0153	20.024	.3553	.0314	20.428
	.680	-.3554	.0269	-158.960	.0834	.0202	15.152	.4387	.0470	18.515
	.742	-.2831	.0303	-159.265	.1311	.0233	15.675	.4142	.0535	18.536
	.830	-.2094	.0220	-155.232	.3224	.0172	23.518	.5318	.0392	24.220
	.910	-.0443	.0023	127.536	.3272	.0105	25.295	.3716	.0112	13.734
	.975				.2389	.0030	52.781			
	.990	.1038	.0082	-167.069						
ETA = .972	.025	-1.4434	.0185	159.415	-.1263	.0082	-6.456	1.5698	.0265	-16.258
	.092	-.7217	.0055	-168.050	-.0388	.0068	1.815	.6829	.0123	6.346
	.126				-.1112	.0050	-5.700			
	.160	-.6645	.0062	-168.106				.2861	.0123	21.390
	.227	-.4758	.0077	-148.428	-.1897	.0049	5.258	.1995	.0139	6.268
	.294	-.3942	.0070	-163.326	-.1947	.0071	-3.989	.1658	.0114	17.843
	.362	-.3459	.0073	-161.648	-.1800	.0041	16.935	.1282	.0163	8.226
	.430	-.3394	.0099	-165.258	-.2312	.0066	-1.574	.1537	.0142	5.889
	.497	-.3330	.0092	-175.623	-.1793	.0050	8.671	.1461	.0146	22.016
	.565	-.2732	.0088	-165.646	-.1271	.0060	33.294	.2432	.0136	21.546
	.632	-.2530	.0082	-161.946	-.0099	.0054	26.852	.3520	.0121	29.701
	.700	-.2550	.0092	-156.528	.0970	.0031	48.487	.4325	.0127	20.002
	.767	-.1880	.0106	-163.131	.2445	.0022	35.269	.4448	.0049	-7.364
	.835	-.1368	.0079	178.884	.3080	.0031	-171.263	.4379	.0039	58.040
	.902	-.0761	.0075	-165.554	.3618	.0054	164.763			
	.973				.2084	.0027	-143.704			
	.990	.0418	.0025	-170.675						
ETA = .875	.084	-.7337	.0079	-178.506						
	.143	-.6108	.0086	166.215						
	.202									
	.301	-.4873	.0093	174.501						
	.407									
	.513	-.2735	.0291	-171.541						
	.680	-.2614	.0232	-165.586						
	.830									
ETA = .981	.160				-.1900	.0062	-6.707			

Table 4. Continued

UNSTEADY PRESSURES -						TDT TEST 367				
POINT NUMBER 886		MACH = .702		RN = 2.185*10E6		H = 475.650 PSF		ALPHA = 2.000 DEG		
		Q = 100.861 PSF		GAMMA = 1.132		P = 361.550 PSF		CPSTAR = -.859		
		DELTA (MEAN) = -.072 DEG		DELTA (AMPL) = 2.034 DEG		OSCILLATION FREQUENCY = 15.010 HZ		K = .495		
ANALYZED VALUES :		DELTA (MEAN) = .112 DEG		DELTA (AMPL) = 1.987 DEG		OSCILLATION FREQUENCY = 15.045 HZ		K = .496		
	X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-1.6298	.0028	171.516	.1963	.0035	30.531	1.8261	.0063	14.352
	.087	-.8945	.0022	-137.920	.0230	.0043	-14.184	.9174	.0058	4.147
	.148	-.8109	.0037	152.259	-.0536	.0039	25.543	.7573	.0068	-.342
	.209	-.6363	.0016	-168.859	-.0679	.0046	-4.158	.5684	.0062	-.226
	.294	-.6645	.0041	-172.304	-.1572	.0035	9.837	.5073	.0076	8.756
	.350	-.6136	.0023	137.367	-.1341	.0048	23.013	.4795	.0061	2.986
	.407	-.6343	.0055	-147.573	-.1668	.0039	15.068	.4675	.0093	-25.236
	.463	-.6196	.0092	128.333	-.1660	.0041	21.084	.4535	.0111	-31.064
	.519	-.5687	.0002	-120.144	-.1261	.0045	-0.555	.4427	.0046	2.206
	.579	-.5237	.0041	-179.313	-.1129	.0039	-0.235	.4108	.0080	-.243
	.659	-.4163	.0033	170.784	-.1036	.0039	14.929	.5199	.0070	3.872
	.739	-.4104	.0033	176.514	-.2827	.0016	23.961	.6931	.0048	5.394
	.819	-.2747	.0009	-50.467	.3515	.0036	32.153	.6262	.0031	15.334
	.899	-.1461	.0019	146.904	.4466	.0016	36.584	.5926	.0029	-1.671
	.974				.3187	.0014	9.998			
	.990	.0680	.0013	104.163						
ETA = .871	.025	-1.6482	.0126	155.192	.2361	.0118	-10.351	1.8844	.0242	-17.818
	.084	-.8568	.0032	52.248	-.0007	.0129	2.543	.8561	.0111	-10.157
	.143	-.7728	.0137	-178.445	-.0846	.0101	-13.703	.6881	.0236	-4.913
	.202	-.7235	.0125	171.771	-.0978	.0155	-5.303	.6257	.0280	-6.610
	.301	-.5460	.0157	-167.124	-.1563	.0155	-0.044	.3897	.0310	6.458
	.354	-.5820	.0183	-176.844	-.1885	.0189	15.905	.3935	.0370	9.634
	.407	-.4617	.0119	176.306	-.2128	.0222	12.731	.2489	.0338	7.014
	.460	-.5127	.0239	-170.141	-.2203	.0253	16.796	.2924	.0491	13.426
	.513	-.5000	.0274	-161.579	-.1874	.0303	14.784	.3126	.0577	16.511
	.566	-.5056	.0355	-162.512	-.1529	.0339	22.011	.3527	.0693	19.697
	.620	-.3554	.0534	-164.302	.0795	.0413	16.411	.4349	.0947	16.009
	.674	-.2832	.0637	-162.071	.1263	.0499	14.825	.4095	.1136	16.566
	.730	-.2092	.0381	-161.167	.3191	.0366	21.567	.5283	.0747	20.173
	.785	-.0526	.0047	-163.027	.3258	.0188	27.183	.3784	.0234	25.146
	.975				.2359	.0087	55.362			
	.990	.1004	.0157	-174.375						
ETA = .972	.025	-1.4443	.0415	172.372	.1197	.0201	6.340	1.5639	.0612	-3.081
	.092	-.7236	.0112	-172.522	-.0451	.0141	11.186	.6785	.0253	9.545
	.126				-.1161	.0129	2.664			
	.160	-.6686	.0137	-164.917	-.1947	.0116	14.580	.2844	.0247	6.207
	.227	-.4791	.0133	178.909	-.2004	.0109	2.901	.1977	.0241	10.252
	.294	-.3981	.0134	-163.775	-.1847	.0119	20.539	.1660	.0258	15.815
	.362	-.3507	.0140	-168.199	-.2362	.0142	11.845	.1275	.0290	14.744
	.430	-.3637	.0173	-167.437	-.1849	.0144	18.394	.1503	.0317	15.212
	.497	-.3333	.0160	-166.273	-.1314	.0157	18.181	.1453	.0317	15.933
	.565	-.2767	.0193	-164.584	-.0941	.0095	39.502	.2422	.0282	23.307
	.632	-.2568	.0186	-165.124	.2415	.0063	39.628	.3517	.0245	21.066
	.700	-.1906	.0178	-168.044	.3068	.0035	104.314	.4321	.0180	23.160
	.767	-.1385	.0176	-173.387	.3613	.0074	154.014	.4453	.0120	25.942
	.835	-.0787	.0143	-165.323	.2071	.0080	174.577	.4399	.0073	36.728
	.902						169.900			
	.973	.0394	.0077	176.892						
	.990									
ETA = .875	.084	-.7380	.0153	173.264						
	.143	-.6150	.0146	177.748						
	.202									
	.301	-.4896	.0196	-176.472						
	.407									
	.513	-.2765	.0511	-174.396						
	.680	-.2627	.0425	-163.061						
	.830									
ETA = .981	.160				-.1955	.0120	-.063			

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367									
POINT NUMBER 887	MACH = .703	RN = 2.186*10E6	H = 475.575 PSF	ALPHA = 2.000 DEG					
	Q = 100.970 PSF	GAMMA = 1.132	P = 361.325 PSF	CPSTAR = -.856					
	DELTA (MEAN) = -.101 DEG	DELTA (AMPL) = 3.018 DEG	OSCILLATION FREQUENCY = 15.041 HZ	K = .495					
ANALYZED VALUES :	DELTA (MEAN) = .082 DEG	DELTA (AMPL) = 2.935 DEG	OSCILLATION FREQUENCY = 15.040 HZ	K = .495					
X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-1.6351	.0025	132.112	.2046	.0047	16.845	1.8396	.0062
	.087	-.8892	.0047	166.927	.0339	.0041	-4.672	.9232	.0088
	.148	-.7978	.0029	-145.647	-.0452	.0054	6.098	.7526	.0081
	.209	-.6266	.0046	-169.736	-.0588	.0031	19.929	.5678	.0077
	.294	-.6537	.0057	-173.110	-.1480	.0040	-6.591	.5057	.0096
	.350	-.6016	.0055	175.657	-.1246	.0051	8.160	.4769	.0105
	.407	-.6229	.0049	-170.658	-.1586	.0042	24.473	.4643	.0090
	.463	-.6084	.0095	141.079	-.1552	.0051	-1.672	.4532	.0139
	.519	-.5580	.0032	-163.536	-.1172	.0068	13.470	.4407	.0100
	.579	-.5118	.0055	-165.105	-.1040	.0048	20.387	.4078	.0103
	.659	-.4053	.0071	-173.819	-.1116	.0039	7.032	.5169	.0110
	.739	-.4016	.0049	-164.721	.2891	.0045	18.406	.6906	.0094
	.819	-.2665	.0028	-145.965	.3582	.0041	15.533	.6247	.0068
	.899	-.1387	.0024	-168.901	.4535	.0033	11.148	.5922	.0057
	.974				.3246	.0018	34.275		
	.990	.0762	.0022	-147.081					
ETA = .871	.025	-1.6498	.0202	147.632	.2447	.0176	-9.386	1.8944	.0370
	.084	-.8519	.0061	-28.471	.0092	.0157	-9.164	.8611	.0101
	.143	-.7624	.0200	167.223	-.0750	.0141	-5.201	.6875	.0340
	.202	-.7102	.0230	177.498	-.0858	.0207	-3.106	.6244	.0437
	.301	-.5345	.0256	-169.477	-.1463	.0227	.750	.3882	.0481
	.354	-.5710	.0276	-173.035	-.1781	.0275	15.062	.3929	.0550
	.407	-.4500	.0250	176.617	-.2038	.0300	13.925	.2462	.0544
	.460	-.5006	.0350	-165.819	-.2117	.0376	14.382	.2889	.0726
	.513	-.4885	.0422	-164.400	-.1766	.0412	16.026	.3120	.0834
	.566	-.4930	.0517	-160.406	-.1437	.0501	18.829	.3493	.1018
	.680	-.3439	.0772	-162.575	.0862	.0615	15.777	.4301	.1387
	.742	-.2741	.0950	-163.972	.1335	.0735	15.431	.4076	.1685
	.830	-.1969	.0586	-160.118	.3231	.0537	18.747	.5200	.1123
	.910	-.0447	.0072	-155.283	.3288	.0290	32.638	.3735	.0361
	.975				.2413	.0096	57.116		
	.990	.1036	.0246	-173.953					
ETA = .972	.025	-1.4228	.0707	168.155	.1311	.0274	3.191	1.5539	.0974
	.092	-.7145	.0210	-168.807	-.0345	.0198	2.401	.6799	.0407
	.126				-.1063	.0179	3.442		
	.160	-.6577	.0200	-171.131					
	.227	-.4686	.0208	-172.873	-.1838	.0166	-1.802	.2848	.0373
	.294	-.3881	.0204	-167.804	-.1887	.0173	9.608	.1994	.0377
	.362	-.3393	.0229	-168.126	-.1754	.0167	20.039	.1640	.0395
	.430	-.3532	.0232	-164.548	-.2260	.0176	14.382	.1272	.0408
	.497	-.3246	.0264	-171.465	-.1752	.0211	14.077	.1494	.0474
	.565	-.2657	.0293	-165.064	-.1231	.0186	21.169	.1426	.0478
	.632	-.2472	.0268	-164.934	-.0076	.0141	35.547	.2396	.0403
	.700	-.2475	.0299	-165.647	-.1010	.0087	37.518	.3485	.0381
	.767	-.1798	.0266	-166.641	.2468	.0047	103.536	.4266	.0270
	.835	-.1290	.0256	-168.391	.3125	.0083	154.159	.4415	.0197
	.902	-.0697	.0250	-173.216	.3669	.0155	170.155	.4366	.0111
	.973				.2139	.0101	175.981		
	.990	.0445	.0095	-166.569					
ETA = .875	.084	-.7239	.0244	170.659					
	.143	-.6043	.0244	169.797					
	.202								
	.301	-.4760	.0302	175.770					
	.407								
	.513	-.2656	.0713	-172.671					
	.680	-.2519	.0580	-161.814					
	.830								
ETA = .981	.160				-.1849	.0170	4.061		

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367										
POINT NUMBER 888	MACH = .703	RN = 2.185*10E6	H = 475.500 PSF	ALPHA = 1.999 DEG						
	Q = 101.007 PSF	GAMMA = 1.132	P = 361.200 PSF	CPSTAR = -.855						
	DELTA (MEAN) = -.007 DEG	DELTA (AMPL) = 1.004 DEG	OSCILLATION FREQUENCY = 20.000 HZ	K = .658						
ANALYZED VALUES :	DELTA (MEAN) = .162 DEG	DELTA (AMPL) = .984 DEG	OSCILLATION FREQUENCY = 20.015 HZ	K = .659						
	X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-1.61129	.0010	55.418	.1931	.0018	-29.561	1.8060	.0020	-59.748
	.087	-.88888	.0015	-96.010	-.0214	.0028	-30.788	.9102	.0020	-19.375
	.148	-.8096	.0016	103.478	-.0549	.0018	-37.339	.7547	.0032	-55.731
	.209	-.6363	.0016	-144.923	-.0691	.0019	-37.897	.5672	.0028	-5.038
	.294	-.6655	.0029	-160.580	-.1577	.0010	-49.530	.5078	.0034	3.441
	.350	-.6134	.0022	-109.986	-.1351	.0018	-16.486	.4783	.0029	32.138
	.407	-.6349	.0022	179.323	-.1633	.0019	-18.285	.4656	.0041	-4.203
	.463	-.6194	.0080	171.268	-.1661	.0023	-76.277	.4533	.0091	-22.196
	.519	-.5687	.0011	-32.810	-.1280	.0041	11.290	.4408	.0034	24.312
	.579	-.5235	.0031	-161.340	-.1141	.0034	7.818	.4094	.0065	12.988
	.659	-.4166	.0023	-135.495	-.1035	.0037	1.503	.5201	.0057	12.947
	.739	-.4099	.0021	171.538	-.0826	.0012	23.489	.6925	.0056	12.029
	.819	-.2738	.0018	-126.292	-.0507	.0012	-13.989	.6245	.0026	31.146
	.899	-.1457	.0003	-88.150	-.4471	.0021	-21.789	.5927	.0020	-13.886
	.974									
	.990									
		.0690	.0011	147.058	.3174	.0011	2.645			
ETA = .871	.025	-1.6300	.0042	119.053	-.2327	.0049	-54.648	1.8628	.0091	-57.555
	.084	-.8584	.0054	159.141	-.0013	.0048	-43.641	.8570	.0100	-31.571
	.143	-.7719	.0058	150.494	-.0839	.0059	-19.243	.6860	.0117	-21.356
	.202	-.7238	.0073	170.314	-.0922	.0060	-27.831	.6226	.0131	-17.864
	.301	-.5467	.0079	-167.810	-.1590	.0083	-16.159	.3898	.0157	-2.342
	.354	-.5814	.0094	-174.112	-.1890	.0091	4.491	.3924	.0185	5.201
	.407	-.4610	.0062	-179.087	-.2126	.0096	12.567	.2484	.0157	7.998
	.460	-.5134	.0117	-166.685	-.2205	.0129	15.301	.2939	.0246	14.356
	.513	-.5011	.0139	-186.729	-.1839	.0154	16.620	.3152	.0293	19.775
	.566	-.3570	.0175	-187.521	-.1517	.0161	21.110	.3350	.0336	23.365
	.680	-.2844	.0281	-158.377	-.0796	.0207	19.387	.4365	.0455	21.184
	.742	-.2114	.0281	-158.377	-.1280	.0250	19.712	.4124	.0531	20.724
	.830	-.0422	.0197	-130.153	-.3206	.0180	22.961	.5320	.0376	26.560
	.910		.0028	21.853	-.3263	.0112	41.381	.3685	.0086	47.620
	.975				.2386	.0045	51.918			
	.990									
		.1009	.0081	-159.736						
ETA = .972	.025	-1.4524	.0181	158.474	-.1208	.0100	-12.251	1.5732	.0280	-18.228
	.092	-.7223	.0053	-149.817	-.0438	.0059	-5.022	.6784	.0107	11.607
	.126				-.1166	.0053	-7.313			
	.160	-.6691	.0064	-159.299	-.1958	.0049	-2.863	.2842	.0110	3.575
	.227	-.4799	.0062	-171.341	-.2002	.0057	2.057	.1978	.0118	7.931
	.294	-.3398	.0066	-166.670	-.1843	.0060	8.748	.1664	.0120	12.460
	.362	-.3507	.0090	-163.828	-.2347	.0068	10.401	.1294	.0140	17.705
	.430	-.3341	.0079	-163.493	-.1843	.0078	15.894	.1516	.0160	14.455
	.497	-.3359	.0082	-159.914	-.1309	.0077	21.007	.1472	.0175	21.637
	.565	-.2581	.0096	-163.866	-.0142	.0065	39.158	.2425	.0153	25.991
	.632	-.2567	.0101	-158.372	-.0949	.0031	39.000	.3339	.0131	25.854
	.700	-.1914	.0084	-137.882	-.2419	.0016	87.978	.4333	.0092	31.278
	.767	-.1398	.0088	-175.342	-.3061	.0025	142.957	.4458	.0071	18.147
	.835	-.0795	.0069	-171.571	-.3594	.0034	178.717	.4389	.0036	17.611
	.902				.2058	.0030	-172.800			
	.973									
	.990									
		.0380	.0032	-176.913						
ETA = .875	.084	-.7383	.0069	156.469						
	.143	-.6169	.0074	157.357						
	.202									
	.294	-.4930	.0102	-170.048						
	.354	-.2790	.0283	-170.802						
ETA = .981	.830	-.2633	.0227	-151.237						
	.160									
					-.1964	.0048	.054			

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367																
POINT NUMBER 889	MACH = .703	RN = 2.187*10E6	H = 475.800 PSF	ALPHA = 1.999 DEG												
	Q = 101.111 PSF	GAMMA = 1.132	P = 361.375 PSF	CPSTAR = -.854												
	DELTA (MEAN) = -.057 DEG	DELTA (AMPL) = 2.044 DEG	OSCILLATION FREQUENCY = 20.000 HZ	K = .658												
ANALYZED VALUES :	DELTA (MEAN) = .111 DEG	DELTA (AMPL) = 1.972 DEG	OSCILLATION FREQUENCY = 20.055 HZ	K = .660												
X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE							
ETA = .707	.025 -1.6155 .0023 4.762 .1922 .0028 -13.122 1.8077 .0009 -62.254	.087 -.8894 .0024 114.475 .0207 .0011 1.575 .9101 .0030 -45.812	.148 -.8115 .0045 132.174 -.0559 .0035 52.284 .7556 .0057 -6.260	.209 -.6378 .0028 124.051 -.0686 .0022 18.251 .5682 .0047 -39.446	.294 -.6654 .0056 138.642 -.1584 .0016 22.081 .5070 .0065 -28.590	.350 -.6167 .0037 145.331 -.1383 .0036 1.790 .4804 .0069 -16.698	.407 -.6360 .0045 174.052 -.1687 .0025 -44.902 .4663 .0066 -19.655	.463 -.6206 .0140 145.568 -.1679 .0028 65.131 .4526 .0138 -22.902	.519 -.5706 .0011 152.211 -.1277 .0033 10.295 .4429 .0042 1.044	.579 -.5244 .0053 175.434 -.1139 .0021 1.579 .4105 .0074 3.107	.639 -.4173 .0067 156.338 -.1032 .0034 24.105 .5205 .0093 -8.011	.739 -.4115 .0050 168.797 -.0816 .0033 11.873 .6931 .0083 11.469	.819 -.2760 .0048 179.945 -.3519 .0020 32.283 .6279 .0066 9.385	.899 -.1457 .0023 164.455 -.4470 .0028 17.814 .5928 .0049 2.817	.974 .990 .0684 .0030 -152.423 .3190 .0016 -5.957	
ETA = .871	.025 -1.6341 .0067 122.990 .2328 .0094 -35.093 1.8670 .0158 -44.192	.084 -.8615 .0124 130.563 -.0020 .0093 12.588 .8595 .0206 -33.737	.143 -.7722 .0117 148.357 -.0863 .0087 19.902 .6859 .0203 -26.639	.202 -.7243 .0151 159.051 -.0981 .0103 12.216 .6252 .0253 -17.409	.301 -.5463 .0149 179.462 -.1581 .0160 9.777 .3882 .0309 7.662	.354 -.5818 .0192 175.077 -.1965 .0174 9.902 .3914 .0366 7.290	.407 -.4621 .0142 167.069 -.2140 .0202 17.195 .2481 .0333 4.820	.460 -.5135 .0247 169.173 -.2284 .0262 13.165 .2932 .0509 12.031	.513 -.5001 .0320 161.528 -.1867 .0286 18.629 .3135 .0606 18.546	.566 -.5049 .0376 161.366 -.1531 .0333 25.680 .3518 .0708 21.943	.680 -.3537 .0550 159.006 -.0785 .0431 16.924 .4322 .0980 19.206	.742 -.2838 .0668 160.807 -.1285 .0512 20.723 .4103 .1180 19.857	.830 -.2085 .0417 157.959 -.3390 .0395 22.126 .5275 .0812 22.083	.910 -.0481 .0029 171.284 .3257 .0204 35.259 .3738 .0230 32.034	.975 .990 .0998 .0175 -175.472 .2368 .0086 70.968	
ETA = .972	.025 -1.4482 .0323 145.281 .1176 .0155 -10.369 1.5658 .0469 -26.880	.092 -.7236 .0103 172.272 -.0433 .0130 6.583 .6803 .0231 -.261	.126 .160 .0155 178.452 -.1181 .0084 4.964	.160 -.4802 .0147 173.342 -.1963 .0092 1.800 .2838 .0238 -3.404	.227 -.3973 .0132 171.316 -.2016 .0107 2.621 .1957 .0239 5.970	.294 -.3508 .0165 176.817 -.1857 .0104 25.166 .1690 .0264 11.653	.362 -.3636 .0157 168.587 -.2361 .0129 16.004 .1275 .0286 13.483	.430 -.3361 .0179 169.154 -.1856 .0130 17.597 .1505 .0308 13.685	.497 -.2777 .0187 167.216 -.1323 .0124 29.335 .1454 .0308 19.372	.565 -.2570 .0193 161.905 -.0154 .0107 39.651 .2416 .0295 25.750	.632 -.2576 .0218 163.700 -.0943 .0052 50.009 .3519 .0263 22.603	.700 -.1906 .0185 164.324 -.2410 .0047 81.148 .4316 .0209 27.485	.767 -.1392 .0174 168.855 .3065 .0065 146.947 .4458 .0135 30.725	.835 -.0791 .0171 171.798 .3594 .0117 159.696 .4385 .0088 47.517	.902 .973 .0383 .0062 -170.928 .2060 .0057 170.638	.990 .084 .0151 138.479 .1970 .0075 -10.302
ETA = .875	.143 -.7391 .0151 138.479	.202 -.6179 .0169 152.310	.301 -.4927 .0206 166.962	.407 -.2770 .0520 -173.854	.513 -.2613 .0440 -158.811	.680 .981 .160										
ETA = .981	.160															

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367										
POINT NUMBER 890	MACH = .700	RN = 2.180*10E6	H = 475.725 PSF	ALPHA = 2.000 DEG						
	Q = 100.426 PSF	GAMMA = 1.132	P = 362.200 PSF	CPSTAR = -.868						
	DELTA (MEAN) = -.084 DEG	DELTA (AMPL) = 3.020 DEG	OSCILLATION FREQUENCY = 20.040 HZ	K = .662						
ANALYZED VALUES :	DELTA (MEAN) = .081 DEG	DELTA (AMPL) = 2.931 DEG	OSCILLATION FREQUENCY = 20.040 HZ	K = .662						
	X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025 .087 .148 .209 .294 .350 .407 .463 .519 .579 .659 .739 .819 .899 .974 .990	-1.6396 -.8933 -.8047 -.6326 -.6590 -.6083 -.6296 -.6147 -.5638 -.5184 -.4124 -.4076 -.2724 -.1446 .0704	.0023 .0036 .0021 .0034 .0043 .0042 .0062 .0072 .0040 .0085 .0075 .0083 .0052 .0045 .0032	15.460 115.882 141.933 123.387 130.376 141.240 147.079 138.460 159.508 165.272 158.434 163.118 174.696 -177.719 147.620	.1999 .0275 -.0498 -.0642 -.1532 -.1310 -.1641 -.1630 -.1219 -.1106 -.1065 -.2845 -.3529 -.4492 -.3204 147.620	.0032 .0024 .0034 .0038 .0045 .0037 .0051 .0034 .0054 .0040 .0045 .0050 .0029 .0018 .0038	-21.615 -5.569 -14.784 -4.559 5.889 5.661 1.591 22.861 24.246 19.665 20.743 27.961 23.870 29.965 40.443	1.8395 .9208 .7549 .5684 .5059 .4774 .4655 .4517 .4420 .4078 .5189 .6922 .6254 .5938 1.8981	.0019 .0053 .0054 .0065 .0078 .0102 .0108 .0152 .0087 .0120 .0112 .0124 .0079 .0071 .0254	-67.066 -41.241 -23.637 -29.032 -21.182 -24.019 -17.397 -29.888 5.384 -3.889 -5.937 -.306 5.057 12.839 -39.729
ETA = .871	.025 .084 .143 .202 .301 .354 .407 .460 .513 .566 .680 .742 .830 .910 .975 .990	-1.6569 -.8556 -.7684 -.7175 -.5403 -.5754 -.4566 -.5079 -.4937 -.4986 -.3492 -.2793 -.2030 -.0500 .0991	.0127 .0003 .0193 .0232 .0273 .0291 .0197 .0369 .0456 .0560 .0813 .0989 .0627 .0064 .0267	124.343 11.695 151.864 159.237 -175.819 179.918 170.933 -167.868 -162.313 -159.900 -160.565 -161.892 -158.133 -169.667 -176.205	.2411 .0039 -.0805 -.0922 -.1522 -.1848 -.2101 -.2160 -.1827 -.1489 -.0813 -.1286 -.3188 -.3254 -.2368 -176.205	.0136 .0136 .0127 .0176 .0206 .0268 .0291 .0384 .0435 .0499 .0630 .0776 .0581 .0327 .0125 .0233	-24.880 -14.610 -19.271 -11.574 -4.360 11.399 12.678 14.133 19.024 22.477 17.261 19.330 22.717 37.720 61.069	1.8981 .8595 .6879 .6254 .3881 .3906 .2466 .2919 .3110 .3498 .4305 .4079 .5218 .3753 1.5590	.0254 .0133 .0319 .0407 .0478 .0556 .0480 .0753 .0891 .1059 .1443 .1765 .1208 .0385 .0773	-39.729 -14.675 -24.619 -16.801 -.509 5.422 3.924 13.152 18.320 21.220 18.486 18.645 22.276 33.334 -26.782
ETA = .972	.025 .092 .126 .160 .227 .294 .362 .430 .497 .565 .632 .700 .767 .835 .902 .973 .990	-1.4341 -.7218 -.6650 -.4754 -.3939 -.3469 -.3593 -.3320 -.2736 -.2538 -.2542 -.1875 -.1355 -.0757 .0386	.0550 .0196 .0227 .0219 .0212 .0234 .0254 .0276 .0284 .0289 .0328 .0283 .0265 .0232 .0107	147.209 174.135 177.637 -177.513 -174.790 -172.581 -168.270 -168.842 -163.616 -161.386 -161.666 -162.677 -170.455 -170.644 -175.761	.1249 -.0385 -.1126 -.1903 -.1962 -.1817 -.2317 -.1813 -.1286 -.0125 -.0961 -.2421 -.3085 -.3619 -.2085 -175.761	.0233 .0169 .0154 .0128 .0153 .0149 .0163 .0205 .0183 .0159 .0076 .0057 .0092 .0158 .0096 .0233	-12.473 -.695 -2.178 1.989 8.523 25.408 19.012 22.197 24.560 39.694 45.227 81.497 149.517 162.235 -179.840	1.5590 .6833 .2852 .1977 .1651 .1276 .1507 .1451 .2413 .3503 .4296 .4440 .4376 1.5590	.0773 .0365 .0347 .0365 .0379 .0416 .0479 .0466 .0441 .0397 .0312 .0203 .0116 .0773	-26.782 -3.471 2.303 6.509 14.401 14.575 15.861 19.586 26.063 23.298 26.786 26.462 47.604 -26.782
ETA = .875	.084 .143 .202 .301 .407 .513 .680 .830	-.7303 -.6106 -.4836 -.2722 -.2563	.0233 .0237 .0339 .0736 .0614	147.554 156.605 172.299 -171.455 -157.865	-.1915 -.1915	.0151 .0151	-.303 -.303			
ETA = .981	.160									

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367									
POINT NUMBER 892	MACH = .601	RN = 2.494*10E6	H = 597.025 PSF	ALPHA = -.005 DEG					
	Q = 99.696 PSF	GAMMA = 1.132	P = 487.925 PSF	CPSTAR = -1.433					
	DELTA (MEAN) = .004 DEG	DELTA (AMPL) = 1.011 DEG	OSCILLATION FREQUENCY = 5.031 HZ	K = .193					
ANALYZED VALUES :	DELTA (MEAN) = .176 DEG	DELTA (AMPL) = .982 DEG	OSCILLATION FREQUENCY = 5.024 HZ	K = .193					
X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-.8392	.0069	36.626	-.1044	.0037	-140.157	.7349	.0106
	.087	-.5331	.0030	53.950	-.1544	.0023	-91.084	.3787	.0051
	.148	-.4921	.0037	65.010	-.1708	.0006	-111.106	.3213	.0043
	.209	-.4060	.0019	71.661	-.1476	.0060	-35.650	.2584	.0068
	.294	-.4568	.0019	38.139	-.2350	.0003	46.476	.2219	.0016
	.350	-.4263	.0010	50.669	-.2007	.0010	47.284	.2256	.0001
	.407	-.4613	.0006	-168.382	-.1903	.0026	-33.887	.2709	.0031
	.463	-.4585	.0077	54.193	-.2048	.0015	-114.600	.2537	.0072
	.519	-.4257	.0014	125.183	-.1419	.0025	-51.717	.2838	.0039
	.579	-.4027	.0006	52.498	-.1202	.0026	-27.350	.2826	.0026
	.659	-.3345	.0019	127.410	-.0750	.0024	-25.708	.4095	.0042
	.739	-.3552	.0020	-144.671	-.2465	.0011	-57.707	.6016	.0030
	.819	-.2463	.0018	-172.635	-.3148	.0025	45.002	.5611	.0041
	.899	-.1448	.0024	-143.001	.4049	.0015	10.845	.5498	.0038
	.974			.3031	.0011		7.236		
	.990	.0898	.0009	-89.204					
ETA = .871	.025	-.7735	.0097	82.029	-.0763	.0051	-65.062	.6972	.0143
	.084	-.5721	.0052	114.139	-.1882	.0035	-33.343	.3839	.0084
	.143	-.4728	.0047	136.826	-.2105	.0047	-38.233	.2823	.0093
	.202	-.4790	.0051	151.747	-.1979	.0046	-145.320	.2812	.0096
	.301	-.3506	.0062	152.448	-.2245	.0060	-133.053	.1261	.0121
	.354	-.4171	.0059	174.644	-.2436	.0077	-99.711	.1736	.0152
	.407	-.3079	.0059	165.035	-.2433	.0102	99.896	.0446	.0157
	.460	-.3821	.0102	-176.123	-.2492	.0077	22.068	.1328	.0219
	.513	-.3844	.0120	-169.097	-.2033	.0148	22.842	.1810	.0267
	.566	-.4040	.0159	-170.533	-.1647	.0155	8.921	.2332	.0314
	.680	-.2943	.0222	-172.273	.0687	.0191	5.202	.3630	.0413
	.742	-.2361	.0288	-170.873	.1195	.0228	16.636	.3526	.0514
	.830	-.1927	.0208	-170.060	.3036	.0155	12.200	.4863	.0363
	.910	-.0386	.0029	-14.968	.3167	.0094	17.940	.3552	.0071
	.975			.2391	.0052		15.775		
	.990	.1205	.0017	-167.442					
ETA = .972	.025	-.6593	.0079	121.423	-.1697	.0058	-51.112	.4896	.0137
	.092	-.4546	.0034	146.995	-.1737	.0041	-40.068	.2809	.0075
	.126				-.2081	.0041	-4.413		
	.167	-.4671	.0027	162.315	-.2266	.0040	5.165	.1214	.0080
	.227	-.3479	.0040	-172.801	-.2091	.0063	-14.440	.0779	.0108
	.294	-.2870	.0046	-178.278	-.1798	.0060	1.214	.0808	.0112
	.362	-.2606	.0053	162.532	-.2416	.0052	-1.953	.0406	.0097
	.430	-.2822	.0045	167.025	-.1799	.0071	6.092	.0925	.0111
	.497	-.2724	.0040	-164.255	-.1045	.0077	16.500	.1112	.0133
	.565	-.2157	.0056	-169.367	-.0215	.0062	3.443	.1844	.0145
	.632	-.2059	.0083	-170.750	.1020	.0039	17.676	.3130	.0110
	.700	-.2110	.0071	-172.995	.2321	.0027	3.509	.3819	.0098
	.767	-.1498	.0071	177.225	.2995	.0001	47.228	.4004	.0052
	.835	-.1008	.0051	-178.630	.3617	.0025	151.413	.4122	.0010
	.902	-.0505	.0029	171.826	.2191	.0028	171.021		
	.973								
	.990	.0451	.0024	165.523					
ETA = .875	.084	-.4620	.0055	117.648					
	.143	-.3672	.0053	172.862					
	.202								
	.301	-.3353	.0100	173.800					
	.407								
	.513	-.2124	.0173	-174.493					
	.680	-.2488	.0248	-175.754					
	.830								
ETA = .981	.160				-.2389	.0046	-20.560		

Table 4. Continued

UNSTEADY PRESSURES -						TDT TEST 367				
POINT NUMBER 893		MACH = .601		RN = 2.493*10E6		H = 596.675 PSF		ALPHA = -.004 DEG		
		Q = 99.609 PSF		GAMMA = 1.132		P = 487.675 PSF		CPSTAR = -1.433		
		DELTA (MEAN) = -.082 DEG		DELTA (AMPL) = 2.030 DEG		OSCILLATION FREQUENCY = 5.010 HZ		K = .193		
ANALYZED VALUES :		DELTA (MEAN) = .129 DEG		DELTA (AMPL) = 1.986 DEG		OSCILLATION FREQUENCY = 5.024 HZ		K = .193		
	X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-.8368	.0120	46.441	-.1079	.0090	-148.570	.7289	.0208	-139.986
	.087	-.5308	.0067	48.658	-.1564	.0046	-134.275	.3744	.0113	-132.536
	.148	-.4918	.0061	57.054	-.1731	.0040	-142.019	.3886	.0100	-130.482
	.209	-.4068	.0040	88.091	-.1282	.0048	-68.362	.2586	.0086	-79.050
	.294	-.4566	.0033	98.429	-.2353	.0020	-48.336	.2213	.0051	-69.140
	.350	-.4251	.0041	91.350	-.2022	.0014	-80.635	.2229	.0055	-86.612
	.407	-.4614	.0017	101.855	-.1920	.0023	-71.101	.2495	.0040	-74.094
	.463	-.4588	.0055	50.983	-.2058	.0013	-86.313	.2530	.0065	-121.240
	.519	-.4270	.0050	148.006	-.1435	.0013	-23.276	.2835	.0063	-30.198
	.575	-.4031	.0029	131.648	-.1208	.0031	-31.639	.2823	.0059	-39.715
	.631	-.3354	.0029	161.064	.0726	.0015	1.382	.4080	.0043	-12.040
	.687	-.3552	.0038	172.301	.2445	.0016	7.331	.5097	.0054	-3.260
	.739	-.2474	.0040	159.451	.3117	.0016	-35.537	.5090	.0056	-24.816
	.819	-.1450	.0019	170.826	.4015	.0019	-57.439	.5466	.0035	-33.306
	.899				.2981	.0010	73.854			
	.974									
	.990	.0862	.0007	-97.757						
	ETA = .871	.025	-.7677	.0198	92.635	-.0762	.0106	-71.674	.6915	.0301
.084		-.5696	.0121	116.268	-.1875	.0087	-50.387	.3820	.0207	-58.155
.143		-.4689	.0093	133.737	-.2096	.0103	-44.858	.2994	.0196	-45.524
.202		-.4753	.0106	157.107	-.1982	.0075	-29.057	.2772	.0181	-25.447
.301		-.3486	.0138	154.508	-.2231	.0130	-6.027	.1255	.0264	-16.053
.354		-.4146	.0147	164.438	-.2429	.0137	-4.923	.1717	.0283	-10.431
.407		-.3045	.0156	167.546	-.2626	.0184	-1.180	.0419	.0338	-5.810
.460		-.3792	.0221	177.387	-.2483	.0203	3.491	.1310	.0423	2.309
.513		-.3811	.0269	178.325	-.2009	.0269	2.773	.1802	.0538	2.224
.566		-.4009	.0316	176.175	-.1662	.0301	6.264	.2348	.0617	5.015
.615		-.4994	.0494	173.838	-.0664	.0372	6.769	.3874	.0866	6.423
.680		-.2911	.0494	173.838	-.0664	.0372	6.769	.3874	.0866	6.423
.742		-.2324	.0617	172.445	-.1175	.0468	7.225	.3500	.1085	7.413
.830		-.1880	.0453	174.533	.3010	.0357	8.119	.4890	.0810	6.636
.910		-.0439	.0032	177.960	.3143	.0185	12.717	.3582	.0216	10.556
.975					.2395	.0084	18.877			
.990		.1207	.0052	-172.875						
ETA = .972		.025	-.6518	.0232	125.596	-.1675	.0171	-53.171	.4843	.0403
	.092	-.4501	.0116	130.740	-.1714	.0083	-41.117	.2788	.0199	-45.865
	.126				-.2063	.0049	-25.252			
	.160	-.4626	.0091	151.147						
	.227	-.3447	.0101	177.763	-.2244	.0077	-2.224	.1203	.0178	-2.232
	.294	-.2843	.0108	160.489	-.2080	.0102	.139	.0763	.0207	-9.970
	.362	-.2578	.0135	171.354	-.1771	.0099	-1.853	.0807	.0234	-5.773
	.430	-.2786	.0112	177.652	-.2382	.0104	4.303	.0404	.0216	-5.855
	.497	-.2681	.0130	176.512	-.1777	.0126	9.248	.0903	.0254	2.780
	.565	-.2115	.0155	176.457	-.1031	.0130	6.290	.1084	.0284	2.941
	.632	-.2028	.0137	179.376	-.0202	.0100	9.567	.1826	.0236	3.674
	.700	-.2081	.0165	176.860	-.1028	.0058	21.539	.3110	.0221	7.896
	.767	-.1474	.0145	179.024	.2312	.0040	30.182	.3786	.0180	5.611
	.835	-.0990	.0129	174.023	.2999	.0006	-133.365	.3889	.0125	-8.155
	.902	-.0476	.0108	-176.573	.3621	.0038	-178.722	.4097	.0070	4.593
	.973				.2192	.0056	160.435			
	.990	.0480	.0043	176.154						
	ETA = .875	.084	-.4593	.0109	129.293					
.143		-.3653	.0108	176.550						
.202										
.301		-.3329	.0200	169.481						
.407										
ETA = .981	.513	-.2110	.0412	179.619						
	.680	-.2477	.0465	-176.761						
	.830									
ETA = .981	.160				-.2365	.0068	-22.997			

Table 4. Continued

U N S T E A D Y P R E S S U R E S - TDT TEST 367										
POINT NUMBER 894		MACH = .604		RN = 2.506*10E6		H = 597.550 PSF		ALPHA = -.004 DEG		
		O = 100.670 PSF		GAMMA = 1.132		P = 487.275 PSF		CPSTAR = -1.409		
		DELTA (MEAN) = -.065 DEG		DELTA (AMPL) = 3.042 DEG		OSCILLATION FREQUENCY = 5.010 HZ		K = .191		
ANALYZED VALUES :		DELTA (MEAN) = .086 DEG		DELTA (AMPL) = 2.967 DEG		OSCILLATION FREQUENCY = 5.024 HZ		K = .192		
	X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-.8377	.0201	36.843	-.1085	.0159	-142.593	.7292	.0360	-142.908
	.087	-.5335	.0103	40.746	-.1579	.0097	-137.129	.3756	.0200	-138.224
	.148	-.4948	.0073	37.116	-.1734	.0071	-133.119	.3214	.0143	-138.070
	.209	-.4077	.0030	62.665	-.1492	.0063	-65.345	.2585	.0085	-81.523
	.294	-.4584	.0030	84.450	-.2377	.0031	-87.607	.2207	.0061	-91.513
	.350	-.4268	.0023	87.251	-.2021	.0040	-89.836	.2247	.0063	-90.899
	.407	-.4622	.0031	116.138	-.1934	.0032	-72.834	.2688	.0063	-68.419
	.463	-.4600	.0080	48.929	-.2074	.0048	-67.666	.2526	.0110	-108.147
	.519	-.4277	.0054	161.435	-.1445	.0032	-49.344	.2831	.0083	-29.927
	.579	-.4046	.0041	153.554	-.1233	.0037	-29.933	.2812	.0078	-28.100
	.659	-.3362	.0028	167.045	-.0725	.0034	-27.299	.4087	.0062	-20.824
	.739	-.3564	.0040	179.461	-.2444	.0034	-39.584	.6008	.0070	-18.415
	.819	-.2485	.0052	-178.241	.3116	.0033	-25.934	.5602	.0083	-8.934
	.899	-.1462	.0025	-150.144	.4020	.0023	-34.283	.5481	.0041	-7.718
	.974				.2981	.0012	-34.891			
	.990	.0862	.0009	-127.763						
ETA = .871	.025	-.7710	.0281	84.543	-.0791	.0160	-84.376	.6919	.0439	-91.441
	.084	-.5710	.0146	119.770	-.1900	.0116	-65.886	.3810	.0262	-62.734
	.143	-.4705	.0141	133.543	-.2134	.0144	-36.272	.2571	.0284	-41.311
	.202	-.4773	.0141	154.318	-.2017	.0135	-29.195	.2756	.0276	-27.400
	.301	-.3505	.0163	165.650	-.2256	.0202	-10.705	.1249	.0365	-12.333
	.354	-.4162	.0205	174.084	-.2465	.0221	-6.576	.1697	.0426	-6.258
	.407	-.3069	.0228	171.949	-.2674	.0287	-4.692	.0395	.0515	-6.179
	.460	-.3800	.0328	-179.386	-.2503	.0319	-2.930	.1297	.0647	-1.134
	.513	-.3826	.0372	-178.384	-.2046	.0382	2.077	.1780	.0754	1.849
	.566	-.4027	.0475	-175.438	-.1683	.0441	4.072	.2344	.0916	4.326
	.680	-.2915	.0737	-173.886	-.0628	.0581	6.237	.3543	.1318	6.168
	.742	-.2329	.0887	-173.552	.1133	.0708	5.849	.3462	.1595	6.182
	.830	-.1893	.0673	-172.497	.2981	.0548	9.660	.4874	.1221	8.471
	.910	-.0494	.0084	-170.036	.3130	.0294	9.803	.3624	.0378	9.839
	.975				.2379	.0138	11.106			
	.990	.1180	.0069	-165.991						
ETA = .972	.025	-.6557	.0285	125.160	-.1703	.0248	-58.019	.4853	.0533	-56.319
	.092	-.4531	.0160	135.433	-.1741	.0127	-38.975	.2790	.0287	-42.093
	.126				-.2095	.0107	-30.951			
	.160	-.4656	.0119	158.243						
	.227	-.3481	.0140	-177.650	-.2270	.0125	-15.978	.1210	.0262	-6.291
	.294	-.2863	.0143	166.284	-.2112	.0161	-12.567	.0752	.0304	-13.107
	.362	-.2616	.0176	175.953	-.1805	.0158	-3.869	.0811	.0334	-3.963
	.430	-.2813	.0167	-179.440	-.2415	.0171	-3.056	.0398	.0338	-1.269
	.497	-.2705	.0178	179.344	-.1820	.0202	1.048	.0885	.0380	.250
	.565	-.2147	.0229	-179.588	-.1062	.0197	2.893	.1085	.0426	1.559
	.632	-.2046	.0214	-178.205	-.0234	.0161	7.611	.1812	.0375	4.292
	.700	-.2106	.0221	-173.899	.1000	.0096	5.477	.3107	.0317	5.912
	.767	-.1478	.0194	-174.230	.2311	.0060	15.148	.3788	.0253	7.981
	.835	-.1007	.0193	-173.764	.2991	.0012	-114.450	.3998	.0187	3.076
	.902	-.0498	.0155	-173.174	.3612	.0052	178.448	.4110	.0104	11.010
	.973				.2192	.0079	-176.087			
	.990	.0481	.0055	-168.662						
ETA = .875	.084	-.4596	.0142	136.119						
	.143	-.3665	.0153	-176.674						
	.202									
	.301	-.3341	.0292	172.427						
	.407									
	.513	-.2131	.0658	-178.574						
	.680	-.2485	.0678	-175.385						
	.830									
ETA = .981	.160				-.2398	.0120	-28.039			

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367

POINT NUMBER 895

MACH = .602
 Q = 100.128 PSF
 DELTA (MEAN) = -.009 DEG
 RN = 2.498*10E6
 GAMMA = 1.132
 DELTA (AMPL) = 1.026 DEG

H = 597.100 PSF
 P = 487.475 PSF
 OSCILLATION FREQUENCY = 15.010 HZ
 ALPHA = -.004 DEG
 CPSTAR = -1.421
 K = .575

ANALYZED VALUES : DELTA (MEAN) = .166 DEG DELTA (AMPL) = 1.002 DEG OSCILLATION FREQUENCY = 15.025 HZ K = .576

	X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-.8394	.0051	-158.675	-.1076	.0044	19.654	.7318	.0095	20.551
	.087	-.5331	.0043	-164.162	-.1562	.0027	32.398	.3769	.0069	22.213
	.148	-.4929	.0025	-161.703	-.1720	.0020	15.093	.3209	.0045	22.873
	.209	-.4066	.0030	162.602	-.1484	.0029	25.675	.2582	.0055	16.873
	.294	-.4569	.0029	-150.127	-.2362	.0023	42.195	.2207	.0052	33.753
	.350	-.4277	.0021	-177.354	-.2020	.0017	49.835	.2258	.0035	33.323
	.407	-.4629	.0034	-177.988	-.1914	.0021	17.240	.2715	.0035	23.608
	.463	-.4600	.0059	134.506	-.2065	.0013	27.099	.2515	.0055	7.816
	.519	-.4279	.0015	-57.894	-.1428	.0011	-22.707	.2555	.0064	-34.336
	.579	-.4036	.0025	-153.993	-.1206	.0026	-14.111	.2851	.0009	75.581
	.659	-.3357	.0027	-145.228	.0751	.0017	26.526	.2831	.0048	5.538
	.739	-.3553	.0020	-159.423	.2476	.0012	67.581	.4108	.0044	31.615
	.819	-.2464	.0027	-167.457	.3146	.0021	22.580	.6028	.0030	37.868
	.899	-.1457	.0005	-113.606	.4052	.0017	29.398	.5610	.0048	16.937
	.974				.3027	.0004	154.355	.5509	.0021	37.466
	.990	.0894	.0011	-5.406						
ETA = .871	.025	-.7730	.0186	-174.846	-.0742	.0124	2.831	.6988	.0310	4.225
	.084	-.5712	.0108	-170.115	-.1867	.0087	-1.177	.3845	.0194	5.397
	.143	-.4713	.0095	-169.722	-.2103	.0086	1.033	.2610	.0180	6.517
	.202	-.4774	.0076	-170.206	-.1983	.0070	6.933	.2791	.0146	8.432
	.301	-.3504	.0093	-165.327	-.2239	.0090	3.746	.1265	.0182	8.994
	.354	-.4164	.0101	-157.327	-.2433	.0088	18.526	.1726	.0189	20.822
	.407	-.3066	.0090	-177.270	-.2633	.0120	15.800	.0433	.0209	10.203
	.460	-.3817	.0125	-168.910	-.2488	.0133	12.177	.1329	.0258	11.650
	.513	-.3830	.0147	-158.937	-.2023	.0149	18.943	.1806	.0296	19.996
	.566	-.4035	.0171	-158.156	-.1645	.0167	25.817	.2390	.0338	23.822
	.680	-.2928	.0252	-162.358	.0701	.0194	17.431	.3629	.0446	17.550
	.742	-.2345	.0343	-161.335	.1211	.0247	16.859	.3557	.0590	17.676
	.830	-.1906	.0239	-160.004	.3055	.0192	24.727	.4962	.0431	22.104
	.910	-.0388	.0009	1.873	.3184	.0114	35.615	.3572	.0107	38.302
	.975				.2417	.0062	31.854			
	.990	.1222	.0026	-128.079						
ETA = .972	.025	-.6572	.0176	-171.116	-.1676	.0160	11.020	.4895	.0336	9.901
	.092	-.4546	.0096	-165.927	-.1721	.0059	3.588	.2825	.0154	10.085
	.126				-.2088	.0040	-9.282			
	.160	-.4661	.0064	177.038	-.2256	.0052	20.023	.1220	.0094	26.298
	.227	-.3476	.0043	-146.106	-.2091	.0058	20.886	.0774	.0134	26.493
	.264	-.2864	.0076	-149.231	-.1782	.0058	22.406	.0819	.0137	17.641
	.294	-.2601	.0079	-165.856	-.2395	.0058	15.018	.0410	.0123	18.086
	.362	-.2805	.0065	-159.177	-.1780	.0068	12.478	.0917	.0142	10.607
	.430	-.2698	.0074	-171.112	-.1035	.0071	9.734	.1091	.0153	10.248
	.497	-.2125	.0082	-169.307	-.0201	.0052	30.684	.1848	.0131	21.909
	.565	-.2050	.0080	-163.782	.1037	.0026	42.324	.3137	.0102	27.764
	.632	-.2100	.0077	-157.106	.2330	.0026	71.795	.3813	.0088	30.896
	.700	-.1433	.0070	-163.178	.3025	.0019	105.146	.4018	.0075	37.419
	.767	-.0993	.0070	-157.128	.3641	.0007	135.007	.4126	.0060	18.356
	.835	-.0485	.0063	-167.343	.2211	.0035	174.436			
	.902									
	.973									
	.990	.0484	.0034	-179.255						
ETA = .875	.084	-.4596	.0095	-173.526						
	.143	-.3645	.0052	178.467						
	.202									
	.301	-.3349	.0136	-178.091						
	.407									
	.513	-.2127	.0206	-172.374						
	.680	-.2463	.0242	-164.541						
	.830									
ETA = .981	.160				-.2365	.0060	5.934			

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367										
POINT NUMBER 896	MACH = .603	RN = 2.501*10E6	H = 597.375 PSF	ALPHA = -.004 DEG						
	Q = 100.316 PSF	GAMMA = 1.132	P = 487.525 PSF	CPSTAR = -1.418						
	DELTA (MEAN) = -.042 DEG	DELTA (AMPL) = 2.022 DEG	OSCILLATION FREQUENCY = 15.010 HZ	K = .575						
ANALYZED VALUES :	DELTA (MEAN) = .114 DEG	DELTA (AMPL) = 1.976 DEG	OSCILLATION FREQUENCY = 15.010 HZ	K = .575						
	X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-.8441	.0076	-155.389	-.1189	.0065	15.345	.7252	.0141	20.340
	.087	-.5386	.0044	-159.512	-.1645	.0054	11.553	.3740	.0098	15.564
	.148	-.5022	.0046	-149.498	-.1830	.0054	25.110	.3192	.0100	27.590
	.209	-.4144	.0034	-171.930	-.1558	.0043	22.000	.2586	.0076	15.853
	.294	-.4645	.0028	-159.496	-.2459	.0054	3.187	.2186	.0081	9.081
	.350	-.4332	.0023	-163.329	-.2084	.0036	5.769	.2248	.0059	8.849
	.407	-.4708	.0031	-177.106	-.2004	.0046	8.913	.2703	.0077	6.490
	.463	-.4649	.0063	133.309	-.2131	.0039	7.446	.2518	.0091	-26.479
	.519	-.4377	.0015	-108.827	-.1526	.0033	13.484	.2850	.0043	30.659
	.579	-.4104	.0033	-162.591	-.1285	.0030	9.500	.2819	.0063	13.643
	.639	-.3436	.0019	-149.305	-.0634	.0034	14.149	.4070	.0052	20.066
	.699	-.3624	.0028	-157.328	-.2335	.0038	13.959	.6009	.0066	17.634
	.759	-.2561	.0028	-159.897	-.3908	.0041	13.935	.5599	.0069	16.437
	.819	-.1527	.0015	149.087	-.3963	.0033	24.634	.5473	.0043	8.032
	.879				-.2916		25.891			
	.939	.0789	.0003	125.753		.0010				
	.990									
ETA = .871	.025	-.7823	.0295	179.686	-.0942	.0216	-355	.6881	.0511	-.331
	.084	-.5797	.0176	-177.194	-.2017	.0160	2.826	.3780	.0336	2.845
	.143	-.4855	.0139	-172.265	-.2284	.0149	3.819	.2571	.0308	5.841
	.202	-.4868	.0138	-174.295	-.2178	.0173	3.398	.2740	.0311	4.422
	.261	-.3663	.0171	-163.333	-.2468	.0172	7.444	.1255	.0342	11.040
	.320	-.4263	.0180	-167.433	-.2555	.0218	1.686	.1699	.0398	14.920
	.379	-.3218	.0172	-175.587	-.2884	.0252	13.377	.0339	.0423	9.743
	.438	-.3918	.0234	-163.401	-.2617	.0258	15.212	.1701	.0492	15.871
	.497	-.3918	.0280	-161.858	-.2183	.0285	15.999	.1701	.0565	17.616
	.556	-.4142	.0333	-160.756	-.1786	.0337	20.012	.2256	.0670	19.631
	.615	-.3089	.0517	-161.766	.0491	.0430	17.143	.3580	.0947	17.739
	.674	-.2436	.0642	-162.958	.1045	.0512	18.473	.3481	.1154	17.677
	.733	-.2057	.0474	-161.608	-.2833	.0401	22.919	.4890	.0874	20.466
	.792	-.0570	.0048	179.962	-.3032	.0229	34.366	.3602	.0270	28.600
	.851				-.2233	.0118	37.393			
	.910	.1040	.0047	-156.581						
	.969									
ETA = .972	.025	-.6655	.0365	-166.328	-.1877	.0316	12.404	.4778	.0681	13.084
	.084	-.4676	.0204	-168.538	-.1882	.0142	5.131	.2794	.0345	8.864
	.126				-.2236	.0101	-.636			
	.160	-.4774	.0119	175.607						
	.227	-.3618	.0080	-171.616	-.2414	.0128	10.662	.1204	.0208	9.786
	.294	-.3005	.0138	-153.948	-.2226	.0132	17.268	.0743	.0269	21.758
	.362	-.2760	.0140	-163.758	-.1947	.0136	16.116	.0813	.0276	16.180
	.430	-.2959	.0149	-165.333	-.2567	.0131	14.601	.0392	.0280	14.636
	.497	-.2829	.0129	-174.801	-.1948	.0150	17.959	.0882	.0277	12.061
	.565	-.2305	.0168	-166.607	-.1213	.0144	20.032	.1092	.0311	16.457
	.632	-.2188	.0145	-164.652	-.0358	.0096	25.073	.1831	.0240	19.219
	.700	-.2250	.0155	-163.895	-.0883	.0057	38.298	.3133	.0209	22.021
	.767	-.1624	.0138	-164.701	-.2156	.0042	49.786	.3780	.0174	23.143
	.835	-.1159	.0135	-167.161	-.2860	.0026	87.324	.4020	.0144	22.847
	.902	-.0646	.0110	-173.046	-.3462	.0040	138.682	.4108	.0089	26.653
	.973				-.2032	.0057	179.944			
	.990	.0310	.0055	166.401						
ETA = .875	.084	-.4690	.0149	-178.688						
	.143	-.3757	.0073	171.959						
	.202									
	.261	-.3439	.0224	-178.082						
	.320									
	.379	-.2220	.0410	-172.198						
	.438	-.2583	.0472	-167.132						
ETA = .981	.160				-.2528	.0137	5.225			

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367

POINT NUMBER 897

MACH = .606

RN = 2.510*10E6

H = 597.425 PSF

ALPHA = -.003 DEG

Q = 101.138 PSF
DELTA (MEAN) = -.059 DEGGAMMA = 1.132
DELTA (AMPL) = 3.024 DEG

P = 486.575 PSF

CPSTAR = -1.396

OSCILLATION FREQUENCY = 15.010 HZ
K = .572

ANALYZED VALUES :

DELTA (MEAN) = .083 DEG

DELTA (AMPL) = 2.941 DEG

OSCILLATION FREQUENCY = 15.025 HZ

K = .572

	X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-.8378	.0139	-168.026	-.1081	.0108	10.252	.7296	.0247	11.221
	.087	-.5321	.0072	-167.483	-.1561	.0080	2.296	.3760	.0151	7.400
	.148	-.4029	.0068	-170.218	-.1728	.0064	16.036	.3202	.0132	12.814
	.209	-.4062	.0047	-155.260	-.1474	.0068	15.022	.2588	.0115	18.951
	.294	-.4566	.0052	-157.340	-.236	.0052	5.570	.2206	.0103	14.115
	.350	-.4268	.0059	-159.287	-.2015	.0068	15.456	.2253	.0127	17.898
	.407	-.4612	.0065	-159.808	-.190	.0061	13.010	.2701	.0126	16.715
	.463	-.4591	.0088	143.190	-.2060	.0052	3.478	.2532	.0132	-21.925
	.519	-.4282	.0015	-137.190	-.1425	.0057	10.083	.2857	.0070	16.727
	.579	-.4031	.0054	-151.15	-.1201	.0045	22.971	.2830	.0099	25.979
	.659	-.3346	.0044	-167.257	-.0750	.0056	16.261	.4096	.0100	14.713
	.739	-.3549	.0057	-155.469	-.2500	.0053	14.744	.6049	.0110	19.816
	.819	-.2459	.0051	-135.394	-.3164	.0051	28.340	.5622	.0102	26.473
	.899	-.1438	.0021	-175.425	-.4069	.0058	13.529	.5506	.0079	11.152
	.974				.3038	.0015	9.719			
	.990	.0912	.0006	.920						
ETA = .871	.025	-.7723	.0455	178.049	-.0781	.0332	1.248	.6942	.0787	-.601
	.084	-.5702	.0301	-178.113	-.1887	.0248	2.543	.3815	.0549	2.184
	.143	-.4720	.0254	-174.599	-.2122	.0253	1.943	.2598	.0507	3.196
	.202	-.4757	.0230	-176.341	-.2005	.0226	1.390	.2752	.0446	2.381
	.301	-.3514	.0251	-168.555	-.2267	.0263	15.399	.1252	.0513	8.254
	.354	-.4157	.0257	-166.486	-.2471	.0298	15.258	.1687	.0565	14.434
	.407	-.3069	.0237	-173.809	-.2675	.0348	12.784	.0394	.0603	9.135
	.460	-.3810	.0373	-165.182	-.2503	.0396	14.107	.1308	.0769	14.452
	.513	-.3288	.0423	-161.617	-.2037	.0423	16.522	.1790	.0846	17.452
	.566	-.4014	.0499	-161.158	-.1665	.0503	19.165	.2349	.1002	19.004
	.680	-.2313	.0777	-162.253	-.0654	.0622	16.475	.3567	.1399	17.181
	.742	-.2309	.0934	-162.493	-.1177	.0766	18.236	.3485	.1700	17.836
	.830	-.1874	.0705	-160.992	-.3005	.0586	23.421	.4879	.1290	21.011
	.910	-.0492	.0125	-174.012	-.3170	.0355	32.850	.3662	.0470	25.947
	.975				.2405	.0189	34.596			
	.990	.1203	.0086	-155.537						
ETA = .972	.025	-.6583	.0510	-169.218	-.1708	.0449	9.249	.4874	.0959	10.064
	.092	-.4564	.0274	-168.401	-.1714	.0235	6.202	.2850	.0508	9.108
	.126				-.2106	.0152	2.603			
	.160	-.4649	.0195	-179.161						
	.227	-.3484	.0146	-167.362	-.2280	.0157	5.759	.1204	.0302	9.074
	.294	-.2893	.0200	-157.983	-.2106	.0184	14.895	.0768	.0383	18.604
	.363	-.2853	.0212	-163.971	-.1796	.0177	20.858	.0802	.0389	18.226
	.430	-.2810	.0195	-162.606	-.2415	.0187	15.815	.0395	.0382	16.621
	.497	-.2887	.0206	-167.240	-.1798	.0221	15.115	.0889	.0427	13.979
	.565	-.2044	.0236	-164.445	-.1053	.0211	17.505	.1090	.0447	16.475
	.632	-.2040	.0235	-166.795	-.0213	.0159	22.598	.1828	.0393	16.994
	.700	-.2098	.0219	-165.919	-.1019	.0093	32.323	.3117	.0309	19.492
	.767	-.1437	.0199	-163.136	-.2326	.0066	55.190	.3803	.0254	26.269
	.835	-.0892	.0202	-167.145	-.3018	.0045	96.024	.4010	.0212	25.016
	.902	-.0481	.0173	-163.654	-.3637	.0062	140.277	.4117	.0148	36.736
	.973				.2214	.0082	-177.317			
	.990	.0478	.0073	172.992						
ETA = .875	.084	-.4594	.0251	177.390						
	.143	-.3655	.0119	174.578						
	.202									
	.301	-.3330	.0347	-178.106						
	.407									
	.513	-.2102	.0646	-174.390						
	.680	-.2444	.0656	-167.698						
	.830									
ETA = .981	.160				-.2387	.0180	8.063			

Table 4. Continued

U N S T E A D Y P R E S S U R E S - TDT TEST 367									
POINT NUMBER 898	MACH = .606	RN = 2.512*10E6	H = 598.150 PSF	ALPHA = -.004 DEG					
	Q = 101.230 PSF	GAMMA = 1.132	P = 487.200 PSF	CPSTAR = -1.397					
	DELTA (MEAN) = -.007 DEG	DELTA (AMPL) = 1.018 DEG	OSCILLATION FREQUENCY = 20.000 HZ	K = .762					
ANALYZED VALUES :	DELTA (MEAN) = .160 DEG	DELTA (AMPL) = .983 DEG	OSCILLATION FREQUENCY = 20.015 HZ	K = .762					
X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-.8415	.0011	-168.082	-.1145	.0011	-40.518	.7270	.0020
	.087	-.5368	.0016	-163.392	-.1626	.0010	-51.742	.3743	.0022
	.148	-.4988	.0016	177.955	-.1795	.0004	-28.015	.3192	.0020
	.209	-.4126	.0012	-107.796	-.1537	.0011	-57.662	.2589	.0010
	.294	-.4610	.0027	145.996	-.2415	.0005	74.635	.2195	.0026
	.350	-.4319	.0014	-169.864	-.2069	.0016	-13.076	.2250	.0029
	.407	-.4671	.0018	-173.991	-.1978	.0025	-12.992	.2693	.0042
	.463	-.4644	.0078	151.671	-.2115	.0018	-.265	.2529	.0094
	.519	-.4333	.0015	-119.286	-.1491	.0008	47.532	.2842	.0023
	.579	-.4092	.0008	160.157	-.1249	.0019	-32.829	.2843	.0027
	.659	-.3415	.0027	-156.631	.0699	.0011	7.458	.4113	.0038
	.739	-.3601	.0027	-161.178	.2429	.0016	32.028	.6030	.0043
	.819	-.2518	.0018	-136.737	.3095	.0014	11.031	.5612	.0031
	.899	-.1491	.0004	-150.694	.4007	.0015	-3.177	.5497	.0018
	.974				.2972	.0001	-125.570		
	.990	.0854	.0009	31.140					
ETA = .871	.025	-.7693	.0116	156.615	-.0815	.0085	-10.823	-.6878	.0200
	.084	-.5730	.0087	168.588	-.1925	.0068	-11.569	-.3804	.0155
	.143	-.4735	.0077	173.761	-.2156	.0061	-1.716	-.2579	.0138
	.202	-.4790	.0064	173.663	-.2022	.0058	-11.756	-.2768	.0122
	.301	-.3533	.0078	-169.613	-.2278	.0084	4.514	-.1255	.0162
	.354	-.4181	.0093	-164.919	-.2471	.0097	12.781	-.1710	.0190
	.407	-.3089	.0077	-177.640	-.2683	.0121	12.957	.0406	.0197
	.460	-.3847	.0117	-162.650	-.2516	.0127	15.677	-.1331	.0244
	.513	-.3858	.0139	-158.193	-.2049	.0149	20.912	-.1810	.0288
	.566	-.4061	.0168	-159.005	-.1675	.0162	22.357	-.2387	.0330
	.680	-.2954	.0265	-161.165	.0666	.0212	18.815	-.3619	.0477
	.742	-.2370	.0336	-158.008	.1188	.0259	23.126	-.3558	.0595
	.830	-.1926	.0248	-155.405	.3049	.0199	26.708	-.4975	.0447
	.910	-.0402	.0013	58.374	.3180	.0131	36.835	-.3582	.0119
	.975				.2419	.0059	39.773		
	.990	.1210	.0028	-145.747					
ETA = .972	.025	-.6568	.0145	178.917	-.1702	.0118	-8.810	-.4866	.0262
	.092	-.4550	.0082	177.874	-.1725	.0051	-4.474	-.2825	.0133
	.126				-.2106	.0029	-17.044		
	.160	-.4660	.0056	169.287	-.2266	.0034	2.358	-.1216	.0084
	.227	-.3481	.0051	-160.705	-.2100	.0044	8.397	-.0764	.0113
	.294	-.2864	.0069	-165.591	-.1797	.0068	13.258	.0823	.0155
	.362	-.2620	.0087	-174.397	-.2400	.0055	12.754	.0410	.0122
	.430	-.2810	.0068	-152.956	-.1779	.0067	9.011	.0923	.0130
	.497	-.2703	.0063	-172.024	-.1043	.0072	14.687	.1099	.0165
	.565	-.2143	.0093	-162.996	-.0204	.0056	18.093	.1849	.0127
	.632	-.2053	.0071	-157.836	.1042	.0035	37.041	.3143	.0121
	.700	-.2101	.0087	-161.381	.2329	.0035	43.469	.3811	.0116
	.767	-.1482	.0083	-160.844	.3010	.0008	76.323	.4005	.0066
	.835	-.0995	.0061	-159.941	.3637	.0014	149.080	.4121	.0035
	.902	-.0483	.0044	-170.389	.2207	.0026	173.711		
	.973								
	.990	.0472	.0027	168.181					
ETA = .875	.084	-.4616	.0081	168.017					
	.143	-.3705	.0039	-168.438					
	.202								
	.301	-.3380	.0111	-179.451					
	.407								
	.513	-.2153	.0181	-173.222					
	.680	-.2459	.0259	-158.656					
	.830								
ETA = .981	.160				-.2387	.0051	-9.168		

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367

POINT NUMBER 899

MACH = .608
 $Q = 101.705 \text{ PSF}$
 DELTA (MEAN) = -.059 DEG

RN = 2.516×10^6
 GAMMA = 1.132
 DELTA (AMPL) = 2.005 DEG

H = 598.400 PSF
 $P = 486.875 \text{ PSF}$
 OSCILLATION FREQUENCY = 20.000 HZ

ALPHA = -.003 DEG
 CPSTAR = -1.386
 K = .760

ANALYZED VALUES : DELTA (MEAN) = .107 DEG DELTA (AMPL) = 1.948 DEG OSCILLATION FREQUENCY = 20.015 HZ K = .760

	X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-.8389	.0021	-162.132	-.1120	.0036	3.156	.7270	.0057	8.566
	.087	-.5338	.0021	-138.553	-.1592	.0032	5.834	.3747	.0049	12.616
	.148	-.4947	.0038	-164.794	-.1765	.0031	32.040	.3882	.0057	22.763
	.209	-.4084	.0025	-139.378	-.1519	.0032	29.838	.2865	.0057	34.566
	.294	-.4591	.0009	157.352	-.2401	.0025	20.016	.2290	.0032	9.097
	.350	-.4284	.0012	168.098	-.2042	.0017	20.780	.2242	.0028	2.600
	.407	-.4637	.0032	-159.034	-.1941	.0029	17.131	.2896	.0061	19.143
	.463	-.4608	.0070	159.530	-.2089	.0034	18.965	.2319	.0059	17.824
	.519	-.4297	.0032	-54.412	-.1467	.0034	19.940	.2830	.0040	70.476
	.579	-.4047	.0019	-176.877	-.1239	.0027	23.665	.2808	.0045	15.199
	.659	-.3380	.0012	166.191	-.0703	.0033	4.211	.4083	.0045	-.567
	.739	-.3577	.0018	-176.496	.2424	.0032	1.33	.6001	.0050	9.854
	.819	-.2485	.0021	170.907	.3103	.0027	15.843	.5488	.0047	4.958
	.899	-.1475	.0006	-12.198	.4001	.0012	32.726	.5477	.0009	61.387
	.974				.2975	.0008	-62.074			
	.990	.0862	.0015	36.036						
ETA = .871	.025	-.7684	.0228	151.234	-.0789	.0171	-27.516	.6895	.0399	-28.230
	.084	-.5702	.0172	158.857	-.1914	.0126	-19.641	.3789	.0298	-20.508
	.143	-.4712	.0138	169.632	-.2131	.0130	-10.957	.2580	.0251	-10.654
	.202	-.4761	.0130	176.039	-.2013	.0130	-7.643	.2748	.0251	-5.736
	.301	-.3506	.0152	-171.202	-.2263	.0157	1.457	.1243	.0308	5.068
	.354	-.4160	.0174	-172.692	-.2471	.0180	12.975	.1688	.0364	10.266
	.407	-.3073	.0173	176.764	-.2672	.0224	12.475	.0401	.0412	5.949
	.460	-.3822	.0243	-168.889	-.2515	.0283	14.422	.1307	.0494	12.793
	.513	-.3823	.0276	-163.831	-.2040	.0283	17.885	.1783	.0562	17.042
	.566	-.4034	.0326	-161.688	-.1679	.0337	21.543	.2355	.0666	19.955
	.680	-.2933	.0536	-160.150	.0633	.0429	18.874	.3567	.0966	19.416
	.742	-.2338	.0662	-160.280	.1157	.0443	20.506	.3496	.1207	20.075
	.830	-.1904	.0498	-158.936	.2999	.0450	25.192	.4902	.0929	22.981
	.910	-.0453	.0055	170.674	.2147	.0250	34.157	.3600	.0292	26.719
	.975				.2395	.0126				
	.990	.1195	.0052	-166.799						
ETA = .972	.025	-.6525	.0293	171.636	-.1716	.0255	-10.647	.4809	.0548	-9.426
	.092	-.4522	.0168	174.819	-.1710	.0125	-13.509	.2812	.0292	-8.733
	.126				-.2109	.0080	-16.403			
	.160	-.4639	.0112	164.813	-.2260	.0096	-1.883	.1206	.0198	7.457
	.227	-.3466	.0102	-177.342	-.2097	.0116	7.466	.0756	.0252	7.552
	.294	-.2853	.0136	-172.574	-.1795	.0122	16.414	.0806	.0279	11.353
	.362	-.2601	.0158	-172.552	-.2405	.0127	15.855	.0396	.0260	15.429
	.430	-.2801	.0153	-164.977	-.1794	.0141	15.884	.0893	.0293	12.989
	.497	-.2688	.0170	-169.696	-.1054	.0151	21.303	.1082	.0321	19.437
	.565	-.2133	.0170	-162.221	-.0217	.0111	24.295	.1820	.0276	18.400
	.633	-.2099	.0166	-165.538	.1020	.0076	30.563	.3114	.0247	22.514
	.700	-.1475	.0152	-161.033	.2310	.0063	61.609	.3785	.0210	31.121
	.767	-.0997	.0134	-165.983	.2992	.0025	90.998	.3988	.0142	23.913
	.835	-.0490	.0118	-167.330	.3608	.0043	138.051	.4098	.0099	33.304
	.902				.2193	.0054	156.954			
	.990	.0466	.0061	174.988						
ETA = .875	.084	-.4596	.0138	160.484						
	.143	-.3667	.0088	169.073						
	.202									
	.301	-.3358	.0227	174.584						
	.407									
	.513	-.2109	.0416	-175.731						
	.680	-.2459	.0460	-163.253						
	.830									
ETA = .981	.160				-.2386	.0109	-7.756			

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367										
POINT NUMBER 900	MACH = .606		RN = 2.513*10E6		H = 598.125 PSF		ALPHA = -.003 DEG			
	Q = 101.333 PSF		GAMMA = 1.132		P = 487.050 PSF		CPSTAR = -1.394			
	DELTA (MEAN) = -.084 DEG		DELTA (AMPL) = 3.007 DEG		OSCILLATION FREQUENCY = 20.000 HZ		K = .761			
ANALYZED VALUES :	DELTA (MEAN) = .080 DEG		DELTA (AMPL) = 2.900 DEG		OSCILLATION FREQUENCY = 20.015 HZ		K = .762			
	X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-.8416	.0052	-175.503	-.1120	.0046	13.614	.7296	.0098	8.776
	.087	-.5369	.0039	-178.030	-.1612	.0027	-2.660	.3757	.0066	-2.252
	.148	-.4974	.0039	-175.633	-.1777	.0019	-12.307	.3197	.0057	-1.077
	.209	-.4107	.0030	-173.029	-.1521	.0028	-37.337	.2585	.0054	-14.379
	.294	-.4600	.0044	-175.261	-.2411	.0043	-11.606	.2189	.0086	-3.339
	.350	-.4311	.0036	-176.468	-.2064	.0037	-18.186	.2247	.0072	-7.477
	.407	-.4659	.0045	-174.762	-.1957	.0032	-2.585	.2702	.0077	-4.136
	.463	-.4632	.0101	-155.096	-.2101	.0035	-6.314	.2531	.0135	-20.150
	.519	-.4327	.0025	-136.723	-.1474	.0044	-.959	.2852	.0065	16.035
	.579	-.4070	.0045	-165.502	-.1244	.0046	-1.901	.2826	.0090	6.208
	.659	-.3390	.0048	-171.437	-.0703	.0053	4.161	.4093	.0101	6.253
	.739	-.3579	.0064	-164.635	.2437	.0046	1.829	.6016	.0109	9.710
	.819	-.2501	.0043	-178.969	.3104	.0044	6.058	.5605	.0087	3.574
	.899	-.1486	.0019	-157.236	.4016	.0046	3.450	.5502	.0064	9.064
	.974				.2989	.0017	-1.444			
	.990	.0865	.0014	-73.511						
ETA = .871	.025	-.7721	.0343	151.466	-.0803	.0250	-24.206	.6918	.0593	-26.709
	.084	-.5729	.0232	163.476	-.1923	.0188	-15.040	.3806	.0420	-15.860
	.143	-.4739	.0221	169.455	-.2151	.0194	-11.081	.2587	.0415	-10.796
	.202	-.4779	.0203	175.647	-.2041	.0213	-10.686	.2738	.0415	-7.595
	.301	-.3535	.0249	-170.970	-.2287	.0249	-.994	.1248	.0496	4.018
	.354	-.4178	.0259	-173.295	-.2508	.0291	14.141	.1670	.0549	10.640
	.407	-.3092	.0241	176.347	-.2699	.0345	11.104	.0393	.0581	5.042
	.460	-.3838	.0360	-165.753	-.2539	.0385	14.608	.1299	.0745	14.434
	.513	-.3849	.0408	-161.509	-.2059	.0422	18.571	.1789	.0830	18.532
	.566	-.4046	.0492	-159.589	-.1688	.0504	23.009	.2358	.0996	21.726
	.680	-.2940	.0812	-159.394	.0630	.0657	19.112	.3570	.1469	19.938
	.742	-.2335	.0982	-160.260	.1153	.0802	20.207	.3487	.1784	19.950
	.830	-.1909	.0744	-157.880	.2994	.0633	26.634	.4903	.1376	24.195
	.910	-.0469	.0085	-164.631	.3147	.0379	37.971	.3616	.0459	33.886
	.975				.2388					
	.990	.1184	.0086	-153.132		.0202	38.184			
ETA = .972	.025	-.6571	.0409	171.804	-.1742	.0353	-8.920	.4829	.0762	-8.532
	.092	-.4568	.0234	179.465	-.1740	.0185	-6.536	.2829	.0418	-3.184
	.126				-.2127	.0117	-5.146			
	.160	-.4657	.0165	170.935						
	.227	-.3482	.0150	-169.379	-.2288	.0146	3.685	.1194	.0295	7.200
	.294	-.2879	.0189	-169.541	-.2129	.0180	10.764	.0749	.0369	10.608
	.362	-.2626	.0215	-167.959	-.1817	.0191	15.869	.0808	.0406	13.842
	.430	-.2825	.0189	-165.741	-.2430	.0174	16.881	.0394	.0363	15.516
	.497	-.2703	.0190	-168.067	-.1820	.0218	16.171	.0882	.0408	14.198
	.565	-.2162	.0243	-162.079	-.1079	.0219	20.775	.1083	.0462	19.274
	.632	-.2062	.0235	-162.527	-.0235	.0164	25.235	.1827	.0398	20.662
	.700	-.2115	.0238	-162.989	-.1009	.0107	38.476	.3124	.0340	23.627
	.767	-.1493	.0200	-161.037	.2308	.0081	48.746	.3801	.0273	27.429
	.835	-.1008	.0192	-169.621	.3004	.0033	104.998	.4012	.0192	20.234
	.902	-.0502	.0160	-169.425	.3611	.0064	142.407	.4113	.0127	32.696
	.973				.2197					
	.990	.0466	.0061	-178.960		.0092	165.548			
ETA = .875	.084									
	.143	-.4611	.0217	163.441						
	.202	-.3682	.0144	172.162						
	.301									
	.407	-.3388	.0323	174.909						
	.513									
	.680	-.2143	.0646	-172.890						
	.830	-.2468	.0664	-163.411						
ETA = .981	.160				-.2406	.0168	-6.101			

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367

POINT NUMBER 902

MACH = .607
 Q = 101.582 PSF
 DELTA (MEAN) = -.028 DEG

RN = 2.514*10E6
 GAMMA = 1.132
 DELTA (AMPL) = 1.016 DEG

H = 598.475 PSF
 P = 487.100 PSF
 OSCILLATION FREQUENCY = 4.990 HZ

ALPHA = 2.019 DEG
 CPSTAR = -1.390
 K = .190

ANALYZED VALUES : DELTA (MEAN) = .165 DEG DELTA (AMPL) = .993 DEG OSCILLATION FREQUENCY = 4.998 HZ K = .190

	X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-1.5797	.0100	21.423	.2248	.0035	-138.211	1.8045	.0133	-153.337
	.087	-.8384	.0053	60.711	.0437	.0006	-122.976	.8872	.0059	-119.664
	.148	-.7215	.0042	45.657	-.0219	.0017	-101.555	.6937	.0057	-125.055
	.209	-.5779	.0023	99.225	-.0408	.0032	-31.419	.5370	.0050	-51.797
	.294	-.5062	.0044	96.775	-.1295	.0012	-23.330	.4667	.0051	-71.500
	.350	-.5867	.0016	42.797	-.1062	.0022	-178.559	.4406	.0036	-161.292
	.407	-.5664	.0015	135.051	-.1215	.0020	163.617	.4449	.0010	-149.965
	.463	-.5199	.0073	42.125	-.1396	.0018	-60.747	.4139	.0081	-125.353
	.519	-.5087	.0007	-54.226	-.0818	.0010	172.501	.4269	.0016	153.497
	.575	-.4708	.0019	63.345	-.0762	.0017	-38.097	.3946	.0028	-79.978
	.635	-.3768	.0023	11.962	.0993	.0008	-79.555	.4760	.0025	-149.028
	.713	-.3832	.0017	167.518	.2647	.0026	38.689	.6480	.0039	18.826
	.813	-.2654	.0016	95.269	.3301	.0014	-14.101	.5954	.0025	-52.120
	.899	-.1497	.0018	-137.036	.4208	.0010	117.563	.5706	.0023	67.985
	.974				.2996	.0016	26.779			
	.990	.0713	.0013	158.135						
ETA = .871	.025	-1.4912	.0096	88.387	.2629	.0019	-53.028	1.7541	.0111	-85.512
	.084	-.8383	.0022	114.991	.0270	.0028	-74.075	.8653	.0050	-70.087
	.143	-.6889	.0041	150.764	-.0548	.0018	-26.956	.6340	.0059	-28.540
	.202	-.6456	.0052	131.298	-.0643	.0054	-29.394	.5812	.0104	-38.864
	.301	-.4784	.0037	179.479	-.1247	.0045	-14.052	.3536	.0081	-7.349
	.354	-.5192	.0078	166.909	-.1618	.0077	12.571	.3574	.0151	-1.344
	.407	-.4013	.0069	159.600	-.1896	.0078	-7.330	.2117	.0146	-13.463
	.460	-.4601	.0110	-175.414	-.1787	.0083	20.201	.2815	.0191	11.295
	.513	-.4471	.0141	176.188	-.1498	.0120	13.173	.2973	.0258	3.992
	.566	-.4558	.0146	-170.540	-.1207	.0136	9.833	.3351	.0282	9.640
	.680	-.3283	.0261	-175.412	.0871	.0176	13.288	.4154	.0436	8.090
	.742	-.2649	.0273	-172.044	.1321	.0218	9.345	.3970	.0491	8.872
	.830	-.2026	.0206	-164.664	.3141	.0124	11.677	.5166	.0330	13.961
	.910	-.0375	.0011	32.290	.3227	.0093	17.678	.3602	.0082	15.748
	.975				.2402	.0033	-12.255			
	.990	.1081	.0031	-139.381						
ETA = .972	.025	-1.2019	.0126	103.919	.1478	.0084	-66.966	1.3497	.0209	-72.437
	.092	-.6569	.0070	147.306	-.0122	.0024	-33.814	.6446	.0094	-32.980
	.126				-.0802	.0053	-6.608			
	.160	-.5919	.0080	124.497						
	.227	-.4366	.0039	177.246	-.1519	.0028	-21.714	.2847	.0066	-10.663
	.294	-.3608	.0083	163.027	-.1600	.0046	32.599	.2008	.0118	-2.268
	.362	-.3171	.0048	157.276	-.1505	.0052	-6.999	.1666	.0099	-14.545
	.430	-.3307	.0085	-171.649	-.2052	.0043	9.180	.1255	.0128	8.629
	.497	-.3077	.0088	162.754	-.1592	.0074	12.893	.1485	.0156	-3.609
	.565	-.2523	.0057	-167.630	-.1034	.0042	-6.017	.1490	.0098	-4.581
	.632	-.2365	.0091	177.673	-.0163	.0057	39.050	.2203	.0139	13.403
	.700	-.2383	.0075	169.823	.0933	.0037	7.265	.3316	.0111	-4.435
	.767	-.1760	.0081	-173.589	.2324	.0007	40.538	.4083	.0087	9.002
	.835	-.1281	.0088	157.183	.2985	.0020	68.318	.4266	.0090	-9.959
	.902	-.0734	.0046	176.719	.3514	.0038	-164.501	.4248	.0016	-53.953
	.973				.2030	.0043	144.710			
	.990	.0354	.0058	178.132						
ETA = .875	.084	-.6386	.0047	129.191						
	.143	-.5392	.0036	150.532						
	.202									
	.301	-.4235	.0082	170.718						
	.407									
	.513	-.2453	.0249	177.996						
	.680	-.2580	.0243	-173.935						
	.830									
ETA = .981	.160				-.1495	.0036	8.924			

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367										
POINT NUMBER 903		MACH = .606		RN = 2.511*10E6		H = 598.325 PSF		ALPHA = 2.019 DEG		
		Q = 101.336 PSF		GAMMA = 1.132		P = 487.250 PSF		CPSTAR = -1.395		
		DELTA (MEAN) = -.055 DEG		DELTA (AMPL) = 2.029 DEG		OSCILLATION FREQUENCY = 4.990 HZ		K = .190		
ANALYZED VALUES :		DELTA (MEAN) = .119 DEG		DELTA (AMPL) = 1.986 DEG		OSCILLATION FREQUENCY = 4.998 HZ		K = .190		
	X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-1.5836	.0207	27.735	.2228	.0084	-136.697	1.8064	.0289	-147.788
	.087	-.8333	.0079	39.468	.0473	.0051	-126.906	.8870	.0129	-125.193
	.148	-.7229	.0055	47.348	-.0285	.0041	-109.027	.6944	.0094	-122.587
	.209	-.5723	.0032	63.498	-.0423	.0064	-86.821	.5376	.0085	-75.836
	.294	-.5982	.0010	109.209	-.1306	.0024	-95.219	.4676	.0033	-88.099
	.350	-.5487	.0023	59.124	-.1073	.0032	-64.120	.4414	.0049	-87.446
	.407	-.5674	.0014	93.936	-.1235	.0049	-92.684	.4439	.0063	-91.214
	.463	-.5558	.0050	56.273	-.1400	.0024	-46.869	.4158	.0060	-100.874
	.519	-.5092	.0032	-145.717	-.0823	.0040	-105.715	.4269	.0026	-92.691
	.579	-.4720	.0021	167.240	-.0782	.0017	-81.519	.3938	.0031	-93.020
	.659	-.3791	.0022	155.052	.0996	.0019	-53.262	.4787	.0040	-38.048
	.739	-.3841	.0018	-159.762	.2648	.0041	-15.437	.6489	.0057	-4.749
	.819	-.2666	.0030	-152.577	.3293	.0022	-26.742	.5959	.0046	4.839
	.899	-.1511	.0022	-128.336	.4209	.0022	-32.335	.5720	.0033	9.664
	.974				.2992	.0027	-67.617			
	.990	.0717	.0013	-153.769						
ETA = .871	.025	-1.4890	.0196	84.014	.2620	.0052	-75.291	1.7510	.0245	-91.690
	.084	-.8400	.0063	132.929	.0274	.0055	-50.197	.8674	.0118	-48.528
	.143	-.6886	.0084	112.350	-.0541	.0067	-24.054	.6345	.0140	-48.430
	.202	-.6442	.0091	141.982	-.0653	.0082	-26.438	.5789	.0172	-32.530
	.301	-.4793	.0118	163.834	-.1257	.0130	9.460	.3536	.0242	-2.722
	.354	-.5178	.0146	171.190	-.1609	.0148	2.996	.3569	.0292	-2.867
	.407	-.4013	.0166	166.057	-.1903	.0147	2.945	.2110	.0310	-6.015
	.460	-.4597	.0197	172.642	-.1807	.0211	5.172	.2790	.0406	-8.877
	.513	-.4466	.0250	179.559	-.1499	.0239	9.852	.2966	.0487	4.590
	.566	-.4550	.0296	-179.333	-.1220	.0288	9.836	.3330	.0582	5.189
	.680	-.3276	.0465	-174.191	-.0853	.0382	7.782	.4129	.0847	6.699
	.742	-.1625	.0563	-174.196	.1321	.0452	7.573	.3946	.1015	6.592
	.830	-.2008	.0411	-174.326	.3134	.0336	13.876	.5142	.0745	9.363
	.910	-.0427	.0021	148.821	.3215	.0174	17.267	.3642	.0189	12.487
	.975				.2411	.0078	33.977			
	.990	.1079	.0091	174.219						
ETA = .972	.025	-1.1994	.0229	114.886	.1477	.0118	-64.874	1.3472	.0347	-65.032
	.092	-.6559	.0086	147.713	-.0118	.0087	-51.056	.6440	.0171	-41.726
	.126				-.0790	.0067	-46.822			
	.160	-.5905	.0091	161.674						
	.227	-.4342	.0082	170.177	-.1514	.0081	-19.853	.2828	.0162	-14.807
	.294	-.3591	.0103	174.103	-.1598	.0085	-15.427	.1993	.0187	-10.205
	.362	-.3168	.0120	178.263	-.1500	.0069	6.270	.1669	.0189	1.185
	.430	-.3282	.0141	-173.505	-.2036	.0104	-6.112	.1246	.0244	1.148
	.497	-.3064	.0161	-179.747	-.1595	.0110	-6.535	.1469	.0271	-2.502
	.565	-.2506	.0150	-176.725	-.1034	.0105	-2.680	.1472	.0255	.823
	.632	-.2329	.0166	-172.973	-.0135	.0093	8.237	.2194	.0259	7.461
	.700	-.2364	.0179	-177.373	.0939	.0051	14.744	.3302	.0229	5.305
	.767	-.1745	.0146	-173.039	.2350	.0039	-15.559	.4096	.0183	2.270
	.835	-.1248	.0143	-175.746	.2998	.0013	-159.596	.4247	.0131	2.667
	.902	-.0714	.0135	-176.217	.3520	.0048	-176.938	.4234	.0087	4.181
	.973				.2053	.0042	-171.574			
	.990	.0359	.0055	-171.286						
ETA = .875	.084									
	.143	-.6371	.0092	125.975						
	.202	-.5382	.0071	140.759						
	.301									
	.407	-.4239	.0162	172.494						
	.513									
	.680	-.2461	.0461	179.812						
	.830	-.2556	.0446	-174.566						
ETA = .981	.160				-.1490	.0058	-41.002			

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367

POINT NUMBER 904

MACH = .608
Q = 101.817 PSF
DELTA (MEAN) = -.077 DEG

RN = 2.517*10E6
GAMMA = 1.132
DELTA (AMPL) = 3.019 DEG

H = 599.000 PSF
P = 487.350 PSF
OSCILLATION FREQUENCY = 5.000 HZ

ALPHA = 2.019 DEG
CPSTAR = -1.386
K = .190

ANALYZED VALUES : DELTA (MEAN) = .077 DEG DELTA (AMPL) = 2.946 DEG OSCILLATION FREQUENCY = 4.998 HZ K = .190

	X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-1.5829	.0276	25.319	.2272	.0100	-155.464	1.8101	.0376	-154.889
	.087	-.8390	.0112	40.181	-.0492	.0055	-152.483	.8883	.0166	-143.982
	.148	-.7210	.0051	70.502	-.0276	.0047	-147.888	.6934	.0093	-127.879
	.209	-.5774	.0055	67.299	-.0406	.0039	-80.587	.5368	.0090	-99.449
	.294	-.5967	.0054	103.215	-.1284	.0040	-109.399	.4683	.0090	-90.597
	.350	-.5480	.0039	89.326	-.1048	.0012	-60.718	.4432	.0050	-83.758
	.407	-.5663	.0042	137.603	-.1191	.0040	-134.815	.4472	.0057	-87.146
	.463	-.5521	.0080	71.151	-.1384	.0033	-50.622	.4136	.0101	-92.777
	.519	-.5077	.0060	163.801	-.0805	.0021	-64.834	.4272	.0076	-28.241
	.579	-.4692	.0043	144.352	-.0755	.0020	-50.708	.3937	.0063	-40.416
	.659	-.3766	.0056	161.318	-.1003	.0023	-57.913	.4768	.0075	-29.830
	.739	-.3841	.0037	162.498	-.2674	.0037	2.844	.6515	.0073	-7.329
	.819	-.2652	.0055	157.620	-.3328	.0023	-6.973	.5980	.0077	-17.853
	.899	-.1506	.0021	163.688	-.4231	.0045	3.050	.5737	.0065	-3.082
	.974				.3012	.0026	59.725			
	.990	.0726	.0025	-160.056						
ETA = .871	.025	-1.4913	.0286	85.332	.2644	.0114	-88.445	1.7557	.0400	-92.896
	.084	-.8397	.0103	145.900	.0283	.0089	-54.638	.8679	.0189	-43.612
	.143	-.6888	.0121	138.988	-.0553	.0095	-42.880	.6335	.0216	-41.833
	.202	-.6438	.0152	146.476	-.0646	.0143	-25.158	.5791	.0294	-29.469
	.301	-.4768	.0166	165.168	-.1272	.0166	-4.753	.3497	.0331	-9.792
	.354	-.5185	.0215	168.626	-.1615	.0214	1.829	.3570	.0426	-4.788
	.407	-.4013	.0246	172.563	-.1892	.0245	-6.695	.2121	.0491	-7.067
	.460	-.4593	.0307	175.443	-.1801	.0306	4.078	.2792	.0611	-2.246
	.513	-.4471	.0358	-176.535	-.1505	.0343	3.814	.2966	.0701	3.636
	.566	-.4539	.0437	-178.398	-.1215	.0443	4.559	.3324	.0880	3.090
	.680	-.3249	.0706	-172.849	.0847	.0560	6.007	.4096	.1266	6.645
	.742	-.2612	.0871	-173.307	.1303	.0675	6.719	.3915	.1546	6.704
	.830	-.1997	.0629	-173.045	.3115	.0498	6.740	.5112	.1127	6.860
	.910	-.0421	.0080	-178.400	.3221	.0273	13.114	.3642	.0352	10.512
	.975				.2403	.0107	13.982			
	.990	.1057	.0139	-171.003						
ETA = .972	.025	-1.2008	.0346	116.134	.1477	.0176	-55.273	1.3485	.0521	-60.971
	.092	-.6573	.0172	134.693	-.0119	.0108	-40.129	.6454	.0280	-43.310
	.126				-.0800	.0109	-35.530			
	.160	-.5921	.0167	154.016						
	.227	-.4351	.0155	161.102	-.1520	.0099	-17.745	.2831	.0254	-18.449
	.294	-.3591	.0144	169.246	-.1610	.0110	-10.912	.1981	.0254	-10.823
	.362	-.3168	.0178	170.617	-.1524	.0105	-.269	.1644	.0282	-6.004
	.430	-.3290	.0217	177.606	-.2068	.0165	.379	.1222	.0382	-1.196
	.497	-.3069	.0235	175.206	-.1587	.0145	2.074	.1482	.0399	-2.174
	.565	-.2511	.0231	178.862	-.1041	.0160	-5.172	.1471	.0391	-2.788
	.632	-.2351	.0236	-179.586	-.0146	.0136	7.716	.2206	.0371	3.082
	.700	-.2360	.0243	-174.600	.0933	.0085	5.504	.3293	.0328	5.427
	.767	-.1726	.0218	-177.697	.2331	.0043	22.491	.4057	.0259	5.590
	.835	-.1244	.0204	-177.156	.2994	.0035	176.699	.4238	.0169	4.113
	.902	-.0715	.0191	-177.389	.3545	.0105	172.423	.4260	.0090	14.575
	.973				.2055	.0058	-172.248			
	.990	.0340	.0077	-177.646						
ETA = .875	.084	-.6383	.0130	126.385						
	.143	-.5382	.0123	142.574						
	.202									
	.301	-.4239	.0243	173.461						
	.407									
	.513	-.2465	.0669	-179.260						
	.680	-.2553	.0623	-175.590						
	.830									
ETA = .981	.160				-.1512	.0080	-33.563			

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367										
POINT NUMBER 905	MACH = .602		RN = 2.499*10E6		H = 598.200 PSF		ALPHA = 2.019 DEG			
	Q = 100.289 PSF		GAMMA = 1.132		P = 488.400 PSF		CPSTAR = -1.422			
	DELTA (MEAN) = -.009 DEG		DELTA (AMPL) = 1.019 DEG		OSCILLATION FREQUENCY = 14.950 HZ		K = .573			
ANALYZED VALUES :	DELTA (MEAN) = .158 DEG		DELTA (AMPL) = 1.000 DEG		OSCILLATION FREQUENCY = 14.980 HZ		K = .574			
	X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-1.5781	.0055	-161.014	.2258	.0034	-3.999	1.8039	.0087	10.240
	.087	-.8364	.0033	-137.972	.0516	.0026	-7.379	.8880	.0054	20.449
	.148	-.7236	.0021	-142.399	-.0268	.0029	-11.371	.6968	.0046	8.947
	.209	-.5769	.0014	-145.384	-.0390	.0031	9.725	.5379	.0044	17.404
	.294	-.5957	.0028	-137.140	-.1277	.0025	9.834	.4679	.0051	27.308
	.350	-.5466	.0010	-96.734	-.1046	.0019	-2.320	.4421	.0022	24.443
	.407	-.5640	.0019	-154.710	-.1194	.0021	-11.028	.4446	.0038	6.191
	.463	-.5546	.0031	114.144	-.1391	.0020	-4.664	.4154	.0044	-42.528
	.519	-.5078	.0020	-79.699	-.0805	.0042	4.555	.4273	.0045	31.006
	.579	-.4720	.0019	-146.822	-.0774	.0024	11.383	.3946	.0042	21.130
	.659	-.3735	.0018	-179.809	.1023	.0013	5.714	.4758	.0031	2.507
	.739	-.3842	.0012	-141.597	.2666	.0029	4.580	.6508	.0040	14.307
	.819	-.2652	.0015	-157.245	.3317	.0015	-1.123	.5969	.0029	10.816
	.899	-.1489	.0010	-77.766	.4238	.0009	32.455	.5727	.0016	69.446
	.974				.3006	.0018	-32.062			
	.990	.0710	.0011	-80.773						
ETA = .871	.025	-1.4951	.0166	161.426	.2660	.0095	-4.868	1.7611	.0259	-13.593
	.084	-.8424	.0042	168.030	.0308	.0083	2.374	.8732	.0124	-2.435
	.143	-.6904	.0080	176.699	-.0537	.0072	4.945	.6367	.0152	.605
	.202	-.6461	.0068	-176.836	-.0609	.0095	3.844	.5852	.0163	3.560
	.301	-.4780	.0073	-174.202	-1.227	.0091	11.643	.3553	.0164	9.042
	.354	-.5206	.0079	-165.403	-1.610	.0105	14.908	.3596	.0184	14.774
	.407	-.3980	.0081	-173.265	-1.875	.0113	13.752	.2104	.0194	10.823
	.460	-.4618	.0114	-163.929	-1.792	.0133	19.629	.2826	.0247	17.987
	.513	-.4460	.0136	-163.513	-1.471	.0143	18.412	.2989	.0279	17.474
	.566	-.4561	.0153	-165.408	-1.205	.0174	23.268	.3357	.0326	19.209
	.680	-.3275	.0265	-160.533	.0867	.0215	17.986	.4142	.0480	18.804
	.742	-.2642	.0297	-161.808	.1341	.0257	18.283	.3983	.0554	18.234
	.830	-.2036	.0216	-157.397	.3136	.0182	23.950	.5171	.0398	23.002
	.910	-.0338	.0002	-70.588	.3263	.0117	28.125	.3600	.0117	29.090
	.975				.2386	.0051	39.592			
	.990	.1070	.0040	-157.654						
ETA = .972	.025	-1.2044	.0214	-168.160	.1505	.0130	23.586	1.3549	.0342	16.274
	.092	-.6591	.0097	-171.518	-.0098	.0074	20.068	.6493	.0170	13.493
	.126				-.0775	.0058	20.838			
	.160	-.5901	.0083	-177.056	-.1520	.0057	28.067	.2847	.0120	16.315
	.227	-.4366	.0065	-173.975	-.1579	.0055	30.128	.2004	.0114	17.629
	.294	-.3583	.0061	-173.623	-.1506	.0036	19.582	.1685	.0098	7.799
	.362	-.3191	.0063	-178.002	-.2021	.0067	33.127	.1269	.0143	17.987
	.430	-.3290	.0080	-174.648	-1.573	.0075	34.096	.1503	.0157	19.439
	.497	-.3077	.0087	-173.160	-.1038	.0040	17.780	.1473	.0115	10.092
	.565	-.2511	.0076	-173.946	-.0125	.0059	38.792	.2231	.0142	24.999
	.632	-.2356	.0086	-164.415	.0931	.0032	63.062	.3308	.0115	22.120
	.700	-.2377	.0093	-170.912	.2368	.0031	52.255	.4103	.0113	20.345
	.767	-.1735	.0088	-170.386	.2995	.0026	118.516	.4289	.0073	24.254
	.835	-.1294	.0079	-174.906	.3557	.0049	132.881	.4268	.0061	43.276
	.902	-.0711	.0078	-175.641	.2031	.0032	169.235			
	.973									
	.990	.0347	.0025	158.598						
ETA = .875	.084	-.6361	.0076	171.174						
	.143	-.5390	.0072	176.043						
	.202									
	.301	-.4229	.0099	179.389						
	.407									
	.513	-.2435	.0214	-170.151						
	.680	-.2566	.0237	-165.371						
	.830									
ETA = .981	.160				-.1478	.0050	19.802			

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367

POINT NUMBER 906

MACH = .602
 Q = 100.293 PSF
 DELTA (MEAN) = -.040 DEG

RN = 2.500*10E6
 GAMMA = 1.132
 DELTA (AMPL) = 2.025 DEG

H = 598.300 PSF
 P = 488.500 PSF
 OSCILLATION FREQUENCY = 15.060 HZ

ALPHA = 2.021 DEG
 CPSTAR = -1.422
 K = .577

ANALYZED VALUES : DELTA (MEAN) = .113 DEG DELTA (AMPL) = 1.978 DEG OSCILLATION FREQUENCY = 15.056 HZ K = .577

	X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-1.5770	.0079	168.443	.2257	.0044	-11.791	1.8027	.0123	-11.641
	.087	-.8393	.0071	175.863	.0486	.0037	18.629	.8879	.0106	3.619
	.148	-.7220	.0060	152.737	-.0279	.0051	27.537	.6944	.0111	27.389
	.209	-.5780	.0035	132.933	-.0417	.0039	37.932	.5363	.0074	42.242
	.294	-.5965	.0030	122.385	-.1302	.0024	29.296	.4664	.0054	26.140
	.350	-.5469	.0031	176.882	-.1062	.0031	-15.712	.4406	.0061	-7.797
	.407	-.5660	.0051	155.659	-.1213	.0036	-18.064	.4447	.0087	-21.744
	.463	-.5542	.0086	136.184	-.1388	.0046	9.569	.4154	.0119	-25.787
	.519	-.5092	.0035	148.692	-.0833	.0057	12.745	.4259	.0091	19.789
	.579	-.4637	.0044	161.388	-.0773	.0041	38.969	.3925	.0084	28.428
	.659	-.3766	.0028	146.739	.0986	.0033	54.309	.4751	.0060	44.657
	.739	-.3841	.0012	163.874	.2642	.0025	33.230	.6483	.0034	17.723
	.819	-.2684	.0023	137.085	.3289	.0018	-17.976	.5943	.0040	-31.990
	.899	-.1508	.0031	153.000	.4204	.0026	3.137	.5712	.0055	-13.284
	.974				.2989	.0035	9.562			
	.990	.0699	.0031	179.673						
ETA = .871	.025	-1.4916	.0275	168.080	.2640	.0125	-2.587	1.7556	.0399	-9.007
	.084	-.8408	.0096	171.969	.0272	.0128	-6.685	.8680	.0224	-7.262
	.143	-.6839	.0172	179.817	-.0556	.0116	5.132	.6343	.0288	2.176
	.202	-.6439	.0177	173.158	-.0639	.0192	5.472	.5810	.0369	6.129
	.301	-.4786	.0172	160.194	-.1259	.0163	17.962	.3537	.0335	18.909
	.354	-.4152	.0169	164.127	-.1616	.0173	22.044	.3575	.0342	18.995
	.407	-.4019	.0171	178.320	-.1898	.0168	14.571	.2121	.0337	8.068
	.460	-.4599	.0242	171.015	-.1812	.0231	8.766	.2778	.0473	8.878
	.513	-.4411	.0281	169.018	-.1510	.0263	13.747	.2961	.0544	12.319
	.566	-.4536	.0351	162.642	-.1216	.0355	8.887	.3340	.0705	19.635
	.680	-.3280	.0533	161.297	.0835	.0410	18.292	.4115	.0943	18.524
	.742	-.2632	.0591	160.511	.1310	.0477	20.775	.3942	.1068	20.064
	.830	-.2033	.0418	158.754	.3103	.0355	27.504	.5126	.0772	24.120
	.910	-.0405	.0033	126.712	.3211	.0188	32.524	.3616	.0193	22.717
	.975				.2366	.0078	27.878			
	.990	.1052	.0095	-176.868						
ETA = .972	.025	-1.2027	.0387	-174.350	.1474	.0200	12.154	1.3502	.0586	7.865
	.092	-.6583	.0182	-169.935	-.0123	.0126	9.362	.6460	.0308	9.778
	.126				-.0802	.0117	-.609			
	.160	-.5911	.0165	-175.112						
	.227	-.4338	.0140	179.681	-.1527	.0106	-1.162	.2831	.0246	-.682
	.294	-.3609	.0154	169.640	-.1616	.0119	14.338	.1992	.0273	12.094
	.362	-.3191	.0155	162.299	-.1511	.0096	22.185	.1680	.0251	19.416
	.430	-.3307	.0147	160.846	-.2056	.0119	31.820	.1251	.0264	24.818
	.497	-.3082	.0162	164.823	-.1598	.0100	23.268	.1484	.0261	18.264
	.565	-.2519	.0161	168.312	-.1056	.0073	-1.966	.1463	.0233	7.439
	.632	-.2362	.0183	172.212	-.0157	.0102	26.824	.2205	.0281	14.578
	.700	-.2333	.0206	166.408	.0927	.0061	30.132	.3310	.0265	17.349
	.767	-.1763	.0185	166.804	.2317	.0068	56.952	.4080	.0239	24.554
	.835	-.1291	.0156	165.739	.2973	.0054	124.657	.4264	.0146	34.514
	.902	-.0735	.0126	167.501	.3506	.0108	163.704	.4241	.0061	71.421
	.973				.2017	.0082	-177.470			
	.990	.0334	.0044	164.648						
ETA = .875	.084	-.6374	.0190	177.274						
	.143	-.5395	.0151	177.618						
	.202									
	.301	-.4236	.0189	178.788						
	.407									
	.513	-.2469	.0476	-172.714						
	.680	-.2569	.0453	-167.356						
ETA = .981	.160				-.1504	.0087	25.877			

Table 4. Continued

U N S T E A D Y P R E S S U R E S - TDT TEST 367									
POINT NUMBER 907		MACH = .602		RN = 2.498*10E6		H = 598.175 PSF		ALPHA = 2.019 DEG	
		Q = 100.248 PSF		GAMMA = 1.132		P = 488.425 PSF		CPSTAR = -1.423	
		DELTA (MEAN) = -.104 DEG		DELTA (AMPL) = 3.010 DEG		OSCILLATION FREQUENCY = 15.041 HZ		K = .576	
ANALYZED VALUES :		DELTA (MEAN) = .082 DEG		DELTA (AMPL) = 2.930 DEG		OSCILLATION FREQUENCY = 15.056 HZ		K = .577	
X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-1.5803	.0138	-174.306	.2278	.0072	2.668	1.8081	.0210
	.087	-.8408	.0071	-160.880	.0523	.0054	10.775	.8931	.0125
	.148	-.7215	.0067	-164.926	-.0252	.0044	-.578	.6962	.0110
	.209	-.5772	.0061	-173.338	-.0398	.0059	-4.818	.5374	.0119
	.294	-.5941	.0052	-170.782	-.1298	.0071	12.178	.4642	.0123
	.350	-.5460	.0046	-173.742	-.1052	.0065	-6.570	.4408	.0111
	.407	-.5650	.0054	-173.089	-.1184	.0070	-.435	.4466	.0124
	.463	-.5541	.0063	-147.775	-.1359	.0073	9.629	.4182	.0127
	.519	-.5092	.0022	-136.905	-.0791	.0064	7.168	.4301	.0083
	.579	-.4678	.0063	-162.842	-.0752	.0052	-4.639	.3926	.0113
	.659	-.3745	.0050	-167.723	-.1000	.0043	35.017	.4745	.0091
	.739	-.3828	.0045	-162.522	.2648	.0046	18.524	.6476	.0091
	.819	-.2635	.0028	-152.253	.3313	.0053	28.864	.5949	.0081
	.899	-.1496	.0020	-171.069	.4221	.0048	36.595	.5716	.0066
	.974				.3016	.0027	12.101		
	.990	.0712	.0008	170.210					
ETA = .871	.025	-1.4860	.0440	170.795	.2652	.0211	-1.942	1.7512	-.0650
	.084	-.8389	.0153	-172.083	.0289	.0203	-.663	.8678	.0355
	.143	-.6876	.0242	-173.453	-.0529	.0176	1.898	.6347	.0418
	.202	-.6429	.0233	-175.046	-.0620	.0242	-.824	.5809	.0475
	.301	-.4789	.0252	-166.186	-.1248	.0231	6.317	.3541	.0482
	.354	-.5164	.0287	-167.671	-.1608	.0282	14.289	.3555	.0569
	.407	-.3992	.0275	-179.824	-.1878	.0299	12.040	.2113	.0571
	.460	-.4555	.0351	-164.576	-.1818	.0359	14.073	.2737	.0710
	.513	-.4450	.0403	-161.167	-.1493	.0396	16.946	.2957	.0799
	.566	-.4523	.0466	-160.263	-.1181	.0489	19.685	.3342	.0955
	.680	-.3254	.0744	-161.690	-.0863	.0594	17.086	.4117	.1338
	.742	-.2601	.0905	-161.848	.1322	.0722	17.507	.3923	.1627
	.830	-.1976	.0631	-158.742	.3111	.0565	22.919	.5087	.1196
	.910	-.0457	.0148	-178.567	.3200	.0319	33.807	.3657	.0451
	.975				.2388	.0147	36.793		
	.990	.1065	.0161	-161.589					
ETA = .972	.025	-1.2000	.0644	-175.182	.1485	.0352	5.958	1.3485	-.0996
	.092	-.6557	.0301	-166.309	-.0115	.0226	6.104	.6442	.0526
	.126				-.0790	.0193	5.896		
	.160	-.5890	.0242	-165.307					
	.227	-.4332	.0197	-166.516	-.1529	.0148	4.767	.2803	.0344
	.294	-.3580	.0195	-164.134	-.1610	.0158	6.777	.1970	.0352
	.362	-.3164	.0196	-165.369	-.1493	.0144	9.235	.1672	.0340
	.430	-.3287	.0232	-164.233	-.2041	.0184	18.658	.1246	.0416
	.497	-.3074	.0237	-167.173	-.1577	.0180	16.858	.1497	.0417
	.565	-.2497	.0245	-164.060	-.1041	.0152	3.372	.1456	.0395
	.632	-.2334	.0247	-164.703	-.0154	.0156	36.985	.2180	.0396
	.700	-.2349	.0274	-164.624	.0925	.0072	36.528	.3274	.0342
	.767	-.1734	.0242	-163.501	.2330	.0075	54.078	.4064	.0305
	.835	-.1258	.0227	-168.620	.2991	.0063	131.917	.4248	.0202
	.902	-.0720	.0217	-166.986	.3530	.0137	161.674	.4250	.0123
	.973				.2036	.0086	175.911		
	.990	.0354	.0066	-163.904					
ETA = .875	.084	-.6353	.0261	174.074					
	.143	-.5368	.0240	177.053					
	.202								
	.301	-.4226	.0271	-178.453					
	.407								
	.513	-.2464	.0667	-174.948					
	.680	-.2532	.0614	-165.388					
	.830								
ETA = .981	.160				-.1486	.0147	4.566		

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367										
POINT NUMBER 908	MACH = .598	RN = 2.485*10E6	H = 597.750 PSF	ALPHA = 2.019 DEG						
	Q = 99.113 PSF	GAMMA = 1.132	P = 489.375 PSF	CPSTAR = -1.451						
	DELTA (MEAN) = -.004 DEG	DELTA (AMPL) = 1.015 DEG	OSCILLATION FREQUENCY = 20.040 HZ	K = .773						
ANALYZED VALUES :	DELTA (MEAN) = .163 DEG	DELTA (AMPL) = .982 DEG	OSCILLATION FREQUENCY = 20.096 HZ	K = .775						
	X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-1.5848	.0013	-126.519	.2226	.0017	91.388	1.8074	.0028	75.056
	.087	-.8457	.0015	-167.883	.0452	.0012	46.171	.8909	.0026	27.195
	.148	-.7290	.0013	154.687	-.0321	.0015	79.354	.6969	.0017	32.307
	.209	-.5850	.0006	177.832	-.0456	.0016	-51.656	.5394	.0020	-38.744
	.294	-.6031	.0008	148.983	-.1346	.0013	-9.889	.4685	.0021	-17.911
	.350	-.5543	.0017	162.954	-.1121	.0002	14.630	.4422	.0019	-13.832
	.407	-.5732	.0027	177.313	-.1267	.0008	-63.932	.4465	.0032	-15.495
	.463	-.5599	.0068	151.258	-.1453	.0010	23.926	.4146	.0074	-22.614
	.519	-.5161	.0018	-118.132	-.0881	.0030	25.670	.4280	.0046	-22.098
	.579	-.4765	.0016	-179.624	-.0826	.0014	38.966	.3939	.0028	39.098
	.659	-.3831	.0016	171.065	.0941	.0012	17.433	.4772	.0027	18.334
	.739	-.3906	.0015	-150.366	.2609	.0009	-23.470	.6516	.0022	2.332
	.819	-.2707	.0022	179.333	.3253	.0009	28.786	.5960	.0030	10.203
	.899	-.1563	.0019	-168.341	.4157	.0009	61.255	.5720	.0026	7.770
	.974				.2959	.0010	111.780			27.073
	.990	.0653	.0012	-125.174						
ETA = .871	.025	-1.5009	.0103	153.089	.2610	.0043	-11.484	1.7619	.0145	-22.384
	.084	-.8479	.0049	167.383	.0234	.0046	-15.732	.8713	.0095	-14.125
	.143	-.6960	.0067	166.701	-.0596	.0040	-5.685	.6364	.0107	-10.417
	.202	-.6514	.0078	164.306	-.0697	.0076	-5.661	.5817	.0153	-10.743
	.301	-.4852	.0083	-171.644	-.1303	.0076	-7.348	.3549	.0159	4.196
	.354	-.5247	.0095	-158.639	-.1664	.0083	7.048	.3583	.0177	14.743
	.407	-.4075	.0089	178.899	-.1950	.0083	13.757	.2125	.0171	6.067
	.460	-.4656	.0142	-164.977	-.1843	.0121	18.347	.2813	.0263	12.114
	.513	-.4541	.0153	-162.949	-.1545	.0124	1.835	.2996	.0277	16.311
	.566	-.4627	.0156	-156.970	-.1269	.0171	25.701	.3359	.0327	24.427
	.680	-.3352	.0274	-158.339	.0806	.0218	18.545	.4158	.0492	19.946
	.742	-.2716	.0308	-157.748	.1276	.0237	21.310	.3992	.0545	21.842
	.830	-.2096	.0238	-155.696	.3096	.0191	25.990	.5192	.0429	25.054
	.910	-.0419	.0007	151.862	.3196	.0117	38.591	.3615	.0120	35.518
	.975				.2344	.0053	47.510			
	.990	.1015	.0051	-153.891						
ETA = .972	.025	-1.2100	.0169	166.130	.1427	.0085	-6.840	1.3527	.0254	-11.519
	.092	-.6655	.0088	175.508	-.0172	.0061	-9.256	.6483	.0149	-6.442
	.126				-.0853	.0036	-5.388			
	.160	-.5983	.0076	-173.954	-.1566	.0037	-2.454	.2856	.0099	3.050
	.227	-.4422	.0062	-173.668	-.1650	.0043	5.246	.2021	.0100	9.442
	.294	-.3671	.0057	-167.394	-.1558	.0040	9.978	.1688	.0105	13.738
	.362	-.3246	.0065	-163.950	-.2100	.0050	16.830	.1278	.0127	17.862
	.430	-.3377	.0077	-161.468	-.1638	.0053	28.680	.1506	.0140	18.126
	.497	-.3243	.0088	-168.208	-.1111	.0037	19.471	.1466	.0122	18.899
	.565	-.2577	.0085	-161.350	-.0199	.0050	20.203	.2227	.0137	18.972
	.632	-.2426	.0087	-161.706	.0889	.0028	63.025	.3331	.0122	28.149
	.700	-.2442	.0100	-161.064	.2289	.0024	44.101	.4105	.0112	26.683
	.767	-.1816	.0089	-157.948	.2956	.0013	135.952	.4297	.0065	30.077
	.835	-.1340	.0070	-160.213	.3466	.0034	160.646	.4254	.0041	43.432
	.902	-.0788	.0064	-164.761	.1980	.0031	176.691			
	.973									
	.990	.0294	.0033	-154.274						
ETA = .875	.084	-.6427	.0059	153.731						
	.143	-.5464	.0062	161.206						
	.202									
	.301	-.4306	.0099	-177.607						
	.407									
	.513	-.2522	.0233	-172.100						
	.680	-.2639	.0258	-157.162						
	.830									
ETA = .981	.160				-.1537	.0044	-14.249			

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367										
POINT NUMBER 909		MACH = .602 Q = 100.358 PSF		RN = 2.500*10E6 GAMMA = 1.132		H = 598.550 PSF P = 488.675 PSF		ALPHA = 2.020 DEG CPSTAR = -1.422		
		DELTA (MEAN) = -.058 DEG		DELTA (AMPL) = 2.013 DEG		OSCILLATION FREQUENCY = 20.080 HZ K = .769				
ANALYZED VALUES :		DELTA (MEAN) = .111 DEG		DELTA (AMPL) = 1.960 DEG		OSCILLATION FREQUENCY = 20.076 HZ K = .769				
	X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-1.5684	.0040	-173.048	.2297	.0033	-36.226	1.7981	.0068	-12.464
	.087	-.8350	.0037	-164.996	.0525	.0021	18.873	.8875	.0058	16.404
	.148	-.7208	.0020	-118.882	-.0239	.0003	3.700	.6968	.0022	54.448
	.209	-.5750	.0015	155.144	-.0380	.0019	-.219	.5370	.0033	-11.066
	.294	-.5924	.0028	147.343	-.1267	.0023	-17.070	.4657	.0051	-25.633
	.350	-.5430	.0036	160.110	-.1029	.0037	-7.708	.4401	.0073	-13.715
	.407	-.5831	.0038	-155.001	-.1185	.0066	11.029	.4446	.0103	16.125
	.463	-.5512	.0059	156.625	-.1354	.0028	4.804	.4157	.0085	-14.396
	.519	-.5072	.0019	-118.623	-.0793	.0038	-17.944	.4279	.0046	6.268
	.579	-.4661	.0054	-170.569	-.0750	.0050	-9.260	.3910	.0103	13.448
	.659	-.3728	.0049	-168.332	.1018	.0022	16.470	.4746	.0071	13.156
	.739	-.3827	.0033	-142.521	.2659	.0030	44.323	.6486	.0063	40.738
	.819	-.2635	.0008	172.567	.3311	.0028	49.112	.5946	.0033	37.475
	.899	-.1499	.0014	161.026	.4199	.0018	24.432	.5697	.0030	5.577
	.974				.3004	.0023	-4.186			
	.990	.0705	.0011	-127.982						
ETA = .871	.025	-1.4892	.0231	150.617	.2694	.0113	-25.328	1.7586	.0344	-28.051
	.084	-.8400	.0116	172.365	.0328	.0114	-16.223	.8728	.0229	-12.139
	.143	-.6868	.0158	175.020	-.0524	.0091	-5.324	.6344	.0249	-4.083
	.202	-.6416	.0140	171.349	-.0583	.0150	-2.344	.5832	.0290	-7.039
	.301	-.4764	.0147	-172.262	-.1212	.0139	6.231	.3552	.0286	6.851
	.354	-.5177	.0175	-175.742	-.1577	.0184	11.078	.3581	.0358	7.754
	.407	-.3970	.0175	177.057	-.1861	.0221	1.078	.2109	.0394	3.903
	.460	-.4861	.0255	-163.157	-.1770	.0238	19.314	.2790	.0493	17.360
	.513	-.4440	.0265	-159.371	-.1483	.0250	19.383	.2957	.0515	21.568
	.566	-.4516	.0315	-159.399	-.1179	.0332	21.760	.2357	.0647	21.186
	.680	-.3248	.0534	-160.801	.0869	.0424	19.304	.4117	.0958	19.357
	.742	-.2602	.0634	-159.841	.1330	.0520	22.806	.3933	.1154	21.332
	.830	-.1997	.0455	-153.830	.3115	.0420	28.640	.5112	.0875	27.326
	.910	-.0432	.0037	165.946	.3224	.0235	42.887	.3656	.0257	35.958
	.975				.2395	.0100	36.717			
	.990	.1080	.0090	-169.714						
ETA = .972	.025	-1.1987	.0323	168.868	.1525	.0173	-9.249	1.3512	.0496	-10.475
	.092	-.6538	.0196	179.407	-.0076	.0121	-8.411	.6462	.0316	-3.576
	.126				-.0762	.0108	.570			
	.160	-.5875	.0161	-175.493						
	.227	-.4336	.0130	-170.687	-.1486	.0084	14.733	.2849	.0214	11.440
	.294	-.3576	.0128	-168.874	-.1575	.0088	22.538	.2002	.0215	15.772
	.362	-.3160	.0115	-172.651	-.1478	.0079	22.265	.1682	.0192	13.415
	.430	-.3263	.0158	-168.381	-.2023	.0125	3.238	.1240	.0282	7.918
	.497	-.3048	.0183	-167.434	-.1572	.0137	11.964	.1476	.0320	12.309
	.565	-.2495	.0175	-157.135	-.1029	.0075	28.429	.1466	.0250	24.533
	.632	-.2337	.0165	-163.386	-.0139	.0098	31.719	.2199	.0261	22.232
	.700	-.2347	.0169	-168.758	.0944	.0054	46.476	.3291	.0215	19.559
	.767	-.1735	.0170	-170.805	.2338	.0054	41.012	.4073	.0218	16.707
	.835	-.1264	.0154	-169.276	.2998	.0034	110.681	.4261	.0152	23.464
	.902	-.0713	.0134	-166.965	.3521	.0083	155.990	.4234	.0084	49.463
	.973				.2040	.0056	178.678			
	.990	.0367	.0036	160.016						
ETA = .875	.084	-.6322	.0146	159.867						
	.143	-.5357	.0138	167.618						
	.202									
	.301	-.4207	.0179	178.239						
	.407									
	.513	-.2432	.0454	-174.861						
	.680	-.2550	.0443	-161.252						
	.830									
ETA = .981	.160				-.1465	.0077	5.244			

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367

POINT NUMBER 910

MACH = .604
 Q = 100.663 PSF
 DELTA (MEAN) = -.089 DEG

RN = 2.503*10E6
 GAMMA = 1.132
 DELTA (AMPL) = 3.028 DEG

H = 598.400 PSF
 P = 488.150 PSF
 OSCILLATION FREQUENCY = 20.080 HZ

ALPHA = 2.021 DEG
 CPSTAR = -1.413
 K = .767

ANALYZED VALUES : DELTA (MEAN) = .079 DEG DELTA (AMPL) = 2.931 DEG

OSCILLATION FREQUENCY = 20.060 HZ K = .767

	X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-1.5882	.0038	-159.859	.2291	.0003	103.745	1.8173	.0038	24.588
	.087	-.8418	.0027	-179.383	.0513	.0033	-26.177	.8931	.0059	-14.697
	.148	-.2235	.0044	-136.175	-.0253	.0028	15.591	.6983	.0063	-21.343
	.209	-.5790	.0053	-176.308	-.0389	.0013	-19.212	.5401	.0065	-.761
	.294	-.9978	.0033	-160.519	-.1265	.0052	-13.628	.4713	.0082	-.875
	.350	-.3480	.0053	-152.560	-.1046	.0047	16.537	.4435	.0093	-6.839
	.407	-.3663	.0081	-174.175	-.1182	.0020	3.017	.4480	.0101	-4.077
	.463	-.3533	.0070	-168.208	-.1376	.0051	-14.380	.4159	.0121	-12.883
	.519	-.3096	.0019	-158.934	-.0801	.0069	11.201	.4295	.0088	13.326
	.575	-.4701	.0069	-169.481	-.0746	.0042	16.222	.3955	.0108	-.458
	.631	-.3762	.0061	-165.139	-.1014	.0024	-13.149	.4776	.0083	7.052
	.739	-.3831	.0024	-169.344	-.2675	.0053	17.593	.6506	.0075	8.883
	.839	-.2641	.0056	-172.625	.3339	.0045	40.953	.5980	.0092	13.991
	.879	-.1486	.0049	-169.973	.4250	.0019	12.163	.5736	.0068	10.624
	.974			.3031	.0039		-15.793			
	.990	.0745	.0011	-92.647						
ETA = .871	.025	-1.4916	.0313	150.660	.2667	.0160	-26.651	1.7584	.0473	-28.430
	.084	-.8421	.0130	174.687	.0310	.0181	-12.280	.8731	.0310	-9.368
	.143	-.6885	.0232	164.771	-.0532	.0125	-3.622	.6353	.0355	-11.170
	.202	-.6438	.0231	174.102	-.0608	.0202	-12.153	.5831	.0432	-8.816
	.301	-.4784	.0223	-167.802	-.1246	.0238	-1.461	.3538	.0458	5.145
	.354	-.5168	.0275	-174.562	-.1598	.0289	16.201	.3570	.0562	10.953
	.407	-.3992	.0281	-178.885	-.1877	.0275	12.551	.2115	.0553	6.771
	.460	-.4563	.0364	-162.732	-.1794	.0360	12.384	.2769	.0723	14.839
	.513	-.4454	.0406	-160.911	-.1485	.0407	19.959	.2969	.0813	19.824
	.566	-.4525	.0514	-159.383	-.1178	.0492	24.588	.3347	.1005	22.859
	.680	-.3236	.0800	-157.545	-.0876	.0621	18.782	.4112	.1420	20.850
	.742	-.2590	.0948	-159.132	.1335	.0777	21.165	.3925	.1725	21.001
	.830	-.1979	.0694	-156.944	.3145	.0587	29.153	.5124	.1279	25.849
	.910	-.0382	.0103	-161.856	.3251	.0325	36.436	.3634	.0424	32.064
	.975			.2433	.0177		45.079			
	.990	.1086	.0145	-164.193						
ETA = .972	.025	-1.2062	.0488	170.298	.1508	.0271	-14.712	1.3570	.0758	-11.490
	.092	-.6582	.0243	177.165	-.0096	.0199	-4.245	.6486	.0442	-3.470
	.126				-.0778	.0148	-.674			
	.160	-.5916	.0233	-176.208	-.1507	.0122	-9.085	.2841	.0320	5.430
	.227	-.4348	.0204	-165.949	-.1590	.0155	5.012	.2002	.0339	9.515
	.294	-.3591	.0185	-166.713	-.1490	.0119	24.490	.1687	.0327	11.627
	.362	-.3177	.0213	-175.517	-.2047	.0159	12.812	.1234	.0410	14.367
	.430	-.3281	.0251	-164.649	-.1578	.0192	13.176	.1481	.0430	14.705
	.497	-.3059	.0238	-164.062	-.1023	.0136	22.112	.1473	.0410	15.487
	.565	-.2496	.0275	-167.784	-.0137	.0151	33.459	.2202	.0427	23.099
	.632	-.2339	.0280	-162.466	.0960	.0082	37.300	.3307	.0351	23.179
	.700	-.2348	.0272	-161.038	.2361	.0098	47.894	.4088	.0325	23.147
	.767	-.1727	.0239	-166.461	.3011	.0079	142.198	.4254	.0220	23.303
	.835	-.1244	.0267	-171.711	.3555	.0109	168.205	.4258	.0127	23.237
	.902	-.0703	.0215	-165.271	.2066	.0080	164.173			
	.973									
	.990	.0391	.0059	-179.173						
ETA = .875	.084	-.6355	.0237	160.955						
	.143	-.5386	.0210	165.374						
	.202									
	.301	-.4239	.0300	177.948						
	.407									
	.513	-.2469	.0692	-172.034						
	.680	-.2520	.0641	-160.954						
	.830									
ETA = .981	.160				-.1492	.0107	1.781			

Table 4. Continued

UNSTEADY PRESSURES -					TDT TEST 367					
POINT NUMBER 937		MACH = .851		RN = 3.567*10E6		H = 739.925 PSF		ALPHA = -.011 DEG		
		Q = 203.288 PSF		GAMMA = 1.131		P = 496.100 PSF		CPSTAR = -.336		
		DELTA (MEAN) = .029 DEG		DELTA (AMPL) = 1.017 DEG		OSCILLATION FREQUENCY = 5.000 HZ		K = .135		
ANALYZED VALUES :		DELTA (MEAN) = .201 DEG		DELTA (AMPL) = .990 DEG		OSCILLATION FREQUENCY = 5.003 HZ		K = .135		
	X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-.5814	.0116	-11.612	-.4555	.0114	165.815	-.1259	.0230	167.113
	.087	-.4815	.0069	-9.095	-.5191	.0092	171.276	-.0376	.0161	171.117
	.148	-.5454	.0091	-6.642	-.5152	.0087	-173.721	-.0302	.0177	179.673
	.209	-.4806	.0046	-5.486	-.3772	.0032	-169.427	.1034	.0077	178.725
	.294	-.6148	.0067	-5.282	-.5057	.0051	-162.126	.1091	.0116	-175.295
	.350	-.5885	.0084	-11.970	-.4665	.0092	-179.217	.1220	.0175	174.698
	.407	-.6386	.0084	-8.742	-.4203	.0020	151.546	.2184	.0103	167.905
	.463	-.6373	.0073	18.080	-.3353	.0039	-135.992	.2220	.0109	-152.834
	.519	-.6653	.0019	41.418	-.3029	.0029	-18.421	.3623	.0025	-58.601
	.579	-.7521	.0034	49.616	-.1831	.0016	59.816	.5690	.0018	-139.207
	.659	-.7719	.0060	125.021	-.0420	.0012	46.786	.8139	.0059	-43.443
	.739	-.3502	.0082	148.252	-.1993	.0006	-3.944	.5495	.0087	-29.912
	.819	-.2428	.0053	-155.928	-.2904	.0006	-4.525	.5332	.0058	21.250
	.899	-.0842	.0034	-150.532	-.3539	.0007	-113.021	.4381	.0029	20.947
	.974						-123.738			
	.990	.1226	.0012	-163.276						
ETA = .871	.025	-.3505	.0181	-1.600	-.5048	.0277	174.311	-.1543	.0458	175.927
	.084	-.4879	.0141	2.827	-.5407	.0131	175.157	-.0528	.0271	179.133
	.143	-.4432	.0122	4.677	-.5158	.0065	-174.045	-.0727	.0187	-174.879
	.202	-.5393	.0075	4.459	-.4945	.0050	-126.542	-.0448	.0114	-156.249
	.301	-.5389	.0138	3.312	-.6430	.0032	-60.387	-.1041	.0127	-163.644
	.354	-.5418	.0134	6.194	-.4890	.0111	-39.804	-.0528	.0098	-119.277
	.407	-.4675	.0069	32.085	-.4770	.0122	-18.203	-.0095	.0094	-52.467
	.460	-.6051	.0060	47.003	-.4476	.0226	4.626	.1575	.0186	-7.923
	.513	-.5652	.0042	101.369	-.3311	.0189	10.720	.3341	.0194	-1.778
	.566	-.7171	.0206	152.750	-.2274	.0197	3.085	.4896	.0389	-12.430
	.680	-.3280	.0574	-170.748	-.0501	.0223	5.403	.3781	.0797	8.175
	.742	-.2177	.0446	-169.358	-.1495	.0233	5.346	.3672	.0678	8.825
	.830	-.1742	.0225	-164.447	-.3213	.0141	7.639	.4955	.0365	12.506
	.910	-.0222	.0024	8.034	-.3769	.0119	6.049	.3990	.0095	5.548
	.975				.3202	.0044	1.921			
	.990	.1547	.0077	-159.854						
ETA = .972	.025	-.4053	.0182	9.625	-.5910	.0216	-169.742	-.1857	.0398	-170.031
	.092	-.4989	.0068	16.745	-.4922	.0113	-164.663	-.0066	.0181	-164.134
	.126				-.5961	.0085	-156.540			
	.160	-.6299	.0073	20.759	-.6027	.0098	-36.737	.0954	.0082	-77.906
	.227	-.6980	.0065	19.122	-.3852	.0097	-2.449	.2016	.0207	-54.512
	.294	-.5868	.0166	98.046	-.2964	.0030	-8.626	.0267	.0294	-1.861
	.362	-.3231	.0264	178.905	-.3160	.0055	-10.743	.0353	.0293	-6.666
	.430	-.3513	.0239	-176.725	-.2683	.0091	-6.601	.0531	.0203	12.259
	.497	-.3214	.0121	-153.670	-.1513	.0085	-1.857	.1229	.0187	9.991
	.565	-.2742	.0105	-161.245	-.0067	.0064	4.803	.2701	.0196	7.394
	.632	-.2768	.0132	-171.351	-.1289	.0031	8.363	.3829	.0137	4.439
	.700	-.2540	.0106	-176.708	-.2497	.0009	-141.454	.4219	.0083	6.208
	.767	-.1723	.0091	-170.759	-.3203	.0044	177.701	.4309	.0018	42.934
	.835	-.1106	.0058	-169.655	-.3482	.0055	173.858	.3983	.0017	171.474
	.902	-.0501	.0038	174.925	.2457	.0030	165.484			
	.973									
	.990	.0934	.0021	-42.042						
ETA = .875	.084	-.4912	.0009	47.588						
	.143	-.4703	.0087	7.429						
	.301									
	.407	-.5523	.0063	35.895						
	.513									
ETA = .981	.680	-.3030	.0557	-173.900						
	.830	-.1899	.0207	-161.319						
ETA = .981 .160					-.6184	.0045	-106.050			

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367

POINT NUMBER 938

MACH = .848
 Q = 202.351 PSF
 DELTA (MEAN) = -.081 DEG

RN = 3.559*10E6
 GAMMA = 1.131
 DELTA (AMPL) = 2.011 DEG

H = 739.325 PSF
 P = 496.900 PSF
 OSCILLATION FREQUENCY = 5.000 HZ

ALPHA = -.012 DEG
 CPSTAR = -.343
 K = .136

ANALYZED VALUES : DELTA (MEAN) = .138 DEG DELTA (AMPL) = 1.967 DEG OSCILLATION FREQUENCY = 5.008 HZ K = .136

	X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-.5830	.0210	-10.065	-.4626	.0230	171.404	-.1204	.0440	170.702
	.087	-.4847	.0124	-8.948	-.5289	.0180	178.867	-.0442	.0303	175.681
	.148	-.5511	.0167	-6.568	-.5306	.0235	-177.693	-.0206	.0401	178.622
	.209	-.4866	.0095	-6.340	-.3829	.0065	-152.041	-.1037	.0153	-172.502
	.294	-.6224	.0117	-2.811	-.5145	.0072	-171.927	-.1078	.0188	-178.668
	.350	-.6015	.0122	-4.689	-.4803	.0112	-159.457	-.1212	.0228	-172.621
	.407	-.6503	.0083	-.822	-.4340	.0053	-139.840	-.2163	.0128	-165.044
	.463	-.6704	.0136	7.247	-.4511	.0039	-100.790	-.2193	.0153	-158.694
	.519	-.6726	.0051	14.179	-.3091	.0048	-155.207	-.3635	.0099	-160.675
	.579	-.7572	.0062	22.391	-.1876	.0029	-131.634	-.5696	.0089	-149.402
	.659	-.7804	.0104	67.706	.0393	.0019	-114.194	-.8198	.0123	-142.588
	.739	-.3675	.0174	152.478	.1950	.0023	-94.302	-.5625	.0184	-34.108
	.819	-.2425	.0088	-169.793	.2858	.0013	-111.844	-.5283	.0082	2.470
	.899	-.0849	.0051	-159.726	.3490	.0013	-117.550	-.4339	.0042	8.359
	.974				.2938	.0007	-127.483			
	.990	.1181	.0018	168.254						
ETA = .871	.025	-.3504	.0357	-2.786	-.5204	.0534	175.924	-.1700	.0891	176.441
	.084	-.4909	.0260	-.198	-.5520	.0258	-176.358	-.0612	.0518	-178.286
	.143	-.4474	.0227	1.432	-.5360	.0222	-176.522	-.0886	.0449	-177.556
	.202	-.5432	.0145	1.101	-.4987	.0108	-166.461	-.0445	.0252	-173.593
	.301	-.5490	.0227	6.729	-.6603	.0086	-114.627	-.1114	.0281	-158.148
	.354	-.5634	.0330	3.889	-.5107	.0231	-32.617	-.0528	.0199	-132.514
	.407	-.4770	.0125	18.733	-.4897	.0290	-11.563	-.0127	.0193	-30.666
	.460	-.6155	.0117	34.459	-.4617	.0403	-4.567	-.1538	.0321	-17.848
	.513	-.6735	.0067	96.054	-.3420	.0416	-2.301	-.3318	.0431	-11.152
	.566	-.7219	.0344	154.017	-.2379	.0428	-2.567	-.4840	.0748	-10.122
	.680	-.3568	.1384	177.736	.0444	.0454	2.362	-.4012	.1837	-1.122
	.742	-.2213	.0875	-172.330	.1430	.0493	4.166	-.3642	.1367	6.408
	.830	-.1716	.0417	-162.004	.3169	.0277	6.452	-.4885	.0691	13.389
	.910	-.0292	.0003	-109.804	.3724	.0213	6.552	-.4016	.0214	7.271
	.975				.3163	.0085	7.461			
	.990	.1494	.0160	-169.598						
ETA = .972	.025	-.4071	.0371	11.757	-.6010	.0412	-167.137	-.1939	.0783	-167.661
	.092	-.5033	.0166	13.809	-.5044	.0207	-159.074	-.0010	.0372	-162.241
	.126				-.6089	.0169	-156.717			
	.160	-.6353	.0148	16.091	-.6255	.0153	-48.615	.0791	.0143	-96.264
	.227	-.7046	.0120	13.300	-.4031	.0355	-3.271	.2212	.0303	-39.975
	.294	-.6243	.0213	55.061	-.3003	.0108	10.096	.0342	.0682	-7.193
	.362	-.3345	.0580	169.634	-.3238	.0178	-.083	.0302	.0658	.516
	.430	-.3540	.0480	-179.262	-.2759	.0187	1.420	.0508	.0455	7.981
	.497	-.3268	.0270	-167.480	-.0125	.0168	2.112	.1169	.0401	11.840
	.565	-.2756	.0237	-161.280	.1242	.0126	1.316	-.2665	.0370	6.071
	.632	-.2790	.0245	-171.487	.2460	.0069	5.055	.3832	.0268	5.618
	.700	-.2590	.0199	-174.187	.3171	.0002	-174.017	.4227	.0164	3.975
	.767	-.1767	.0166	-176.001	.3458	.0078	-171.292	.4313	.0048	-6.560
	.835	-.1142	.0125	-177.102	.2429	.0117	-174.384	.4005	.0029	179.194
	.902	-.0547	.0088	-172.254			-175.592			
	.973									
	.990	.0895	.0009	-24.207						
ETA = .875	.084									
	.143	-.4899	.0067	1.595						
	.202	-.4746	.0182	3.774						
	.301									
	.407	-.5604	.0108	31.416						
	.513									
	.680	-.3323	.1410	179.155						
	.830	-.1851	.0381	-162.720						
ETA = .981	.160				-.6408	.0128	-129.032			

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367										
POINT NUMBER 939	MACH = .852	RN = 3.569*10E6	H = 740.425 PSF	ALPHA = -.011 DEG						
	Q = 203.608 PSF	GAMMA = 1.131	P = 496.150 PSF	CPSTAR = -.334						
	DELTA (MEAN) = -.017 DEG	DELTA (AMPL) = 3.046 DEG	OSCILLATION FREQUENCY = 5.000 HZ	K = .135						
ANALYZED VALUES :	DELTA (MEAN) = .081 DEG	DELTA (AMPL) = 2.971 DEG	OSCILLATION FREQUENCY = 5.008 HZ	K = .135						
X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE	
ETA = .707	.025 .087 .148 .209 .294 .350 .407 .463 .519 .579 .659 .739 .819 .899 .974 .990	-.5775 -.4784 -.5441 -.4801 -.6137 -.5912 -.6388 -.6585 -.6603 -.7467 -.7636 -.3560 -.2374 -.0783 .1245	.0315 .0180 .0260 .0155 .0182 .0210 .0143 .0095 .0095 .0105 .0281 .0211 .0128 .0075 .0020	-14.067 -10.241 -7.197 -3.300 -5.620 -7.583 -10.278 -1.367 15.514 24.487 105.480 140.017 -175.177 -160.997 149.516	-.4518 -.5172 -.5179 -.3746 -.5033 -.4693 -.4208 -.4400 -.3005 -.1799 .0452 .2003 .2910 .3541 .2988	.0330 .0252 .0279 .0091 .0114 .0139 .0101 .0095 .0018 .0019 .0016 .0016 .0018 .0016 .0012	167.262 169.527 179.590 153.804 162.909 174.975 120.010 114.202 131.680 3.462 -15.195 -92.981 -119.157 -132.390 -167.172	-.1258 -.0388 .0262 .1054 -.1104 -.1220 -.2181 -.2185 -.3598 .5668 .8088 .5563 .5283 .4324	.0645 .0432 .0538 .0238 .0291 .0347 .0201 .0252 .0104 .0089 .0196 .0221 .0119 .0061	166.613 169.624 176.741 -172.470 -176.906 -177.434 -162.050 -161.002 -173.405 -149.749 -70.487 -43.298 -2.389 11.840
ETA = .871	.025 .084 .143 .202 .301 .354 .407 .460 .513 .566 .680 .742 .830 .910 .975 .990	-.3475 -.4850 -.4416 -.5349 -.5372 -.5519 -.4677 -.6006 -.6561 -.6782 -.3543 -.2124 -.1591 -.0251 .1527	.0543 .0395 .0347 .0212 .0352 .0470 .0206 .0150 .0162 .0902 .1780 .1261 .0655 .0078 .0233	-3.979 -1.846 -.388 4.166 4.587 4.483 17.148 39.441 123.504 158.902 176.981 -174.542 -166.173 -172.260 -172.913	-.5049 -.5391 -.5197 -.4908 -.6408 -.4936 -.4781 -.4502 -.3303 -.2275 .0501 .1463 .3197 .3758 .3196	.0768 .0387 .0250 .0104 .0110 .0341 .0475 .0593 .0564 .0622 .0676 .0738 .0433 .0335 .0129	173.646 176.281 177.070 -157.732 -65.071 -21.171 -16.108 -7.879 2.888 5.204 3.688 3.972 4.750 6.546 6.388	-.1574 -.0541 -.0781 .0441 -.1036 -.0583 -.0104 .1505 .3258 .4507 .4044 .3587 .4788 .4009	.1311 .0782 .0597 .0313 .0330 .0220 .0323 .0504 .0661 .1485 .2453 .1999 .1085 .0413	174.629 177.227 -178.548 -169.899 -157.216 -133.281 -36.571 -20.529 -9.281 -10.405 -1.175 4.909 10.216 6.772
ETA = .972	.025 .092 .126 .160 .227 .294 .362 .430 .497 .565 .632 .700 .767 .835 .902 .973 .990	-.4011 -.4972 -.6277 -.6931 -.5879 -.3188 -.3493 -.3201 -.2667 -.2700 -.2489 -.1683 -.1061 -.0469 .0967	.0548 .0262 .0215 .0190 .0371 .0743 .0671 .0403 .0290 .0302 .0289 .0241 .0201 .0141 .0005	10.993 14.784 16.161 17.260 105.881 167.888 175.874 -174.078 -161.745 -167.030 -172.363 -175.634 176.081 178.353 63.469	-.5878 -.4909 -.5937 -.6069 -.3932 -.2897 -.3146 -.2689 -.1529 -.0067 -.1293 -.2514 -.3217 -.3499 .2476	.0600 .0272 .0230 .0256 .0428 .0177 .0317 .0307 .0255 .0178 .0102 .0018 .0110 .0152 .0093	-169.076 -159.509 -158.131 -39.391 -1.379 11.431 3.975 -2.719 1.392 3.722 5.575 152.710 -177.495 -176.663 -176.994	-.1867 .0063 .0862 .1947 .0291 .0347 .0512 .1137 .2634 .3782 .4197 .4278 .3968	.1148 .0533 .0219 .0640 .0908 .0986 .0708 .0539 .0479 .0391 .0226 .0093 .0017	-169.043 -162.309 -85.714 -34.186 -7.646 -1.529 2.187 10.369 9.543 7.099 6.763 -11.563 -129.936
ETA = .875	.084 .143 .202 .301 .407 .513 .680 .830	-.4824 -.4652 -.5499 -.3312 -.1739	.0155 .0287 .0179 .1800 .0609	7.019 6.403 27.890 176.606 -164.701	-.6226 .0146	-121.936				
ETA = .981	.160									

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367

POINT NUMBER 940

MACH = .847
Q = 202.119 PSF
DELTA (MEAN) = .009 DEG

RN = 3.558*10E6
GAMMA = 1.131
DELTA (AMPL) = 1.032 DEG

H = 739.725 PSF
P = 497.700 PSF
OSCILLATION FREQUENCY = 14.980 HZ

ALPHA = -.010 DEG
CPSTAR = -.346
K = .407

ANALYZED VALUES : DELTA (MEAN) = .174 DEG DELTA (AMPL) = 1.016 DEG OSCILLATION FREQUENCY = 15.010 HZ K = .408

	X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-.5799	.0060	-150.288	-.4591	.0088	30.900	-.1208	.0148	30.418
	.087	-.4813	.0030	-146.229	-.5224	.0080	43.807	-.0430	.0110	41.075
	.148	-.5464	.0044	-148.923	-.5215	.0075	58.594	-.0249	.0116	48.485
	.209	-.4823	.0022	-143.010	-.3784	.0051	138.071	-.1039	.0052	113.293
	.294	-.6175	.0028	-150.561	-.5103	.0017	138.515	-.1072	.0016	36.744
	.350	-.5963	.0031	-170.019	-.4746	.0026	138.209	-.1217	.0057	13.733
	.407	-.6445	.0025	-136.745	-.4243	.0016	83.356	-.2203	.0039	58.725
	.463	-.6620	.0035	97.026	-.4419	.0013	78.293	-.2201	.0023	-72.548
	.519	-.6645	.0027	25.458	-.3046	.0008	-160.095	-.3599	.0035	-155.811
	.579	-.7513	.0018	140.728	-.1842	.0012	-1.760	-.5671	.0028	-24.401
	.659	-.7749	.0124	131.442	-.0423	.0008	-31.459	-.8172	.0132	-47.535
	.739	-.3614	.0163	161.273	-.1971	.0018	-15.330	-.5585	.0181	-18.389
	.819	-.2402	.0087	-144.526	-.4881	.0013	-89.604	-.5283	.0099	32.185
	.899	-.0826	.0045	-132.423	-.2588	.0009	-89.332	-.4334	.0039	38.515
	.974				-.2960	.0011	-168.700			
	.990	.1213	.0040	175.334						
ETA = .871	.025	-.3483	.0085	-137.430	-.5116	.0112	33.386	-.1633	.0196	37.348
	.084	-.4874	.0061	-151.359	-.5431	.0046	199.969	-.0576	.0107	24.914
	.143	-.4413	.0062	-141.403	-.5937	.0052	19.862	-.0864	.0113	26.790
	.202	-.5401	.0025	-150.500	-.4549	.0038	-4.785	-.0452	.0060	8.715
	.301	-.5438	.0045	-174.374	-.6534	.0010	-31.588	-.1099	.0139	-20.258
	.354	-.5499	.0078	-178.269	-.9083	.0147	-14.879	-.0415	.0224	-11.020
	.407	-.4715	.0025	-142.462	-.4836	.0146	-10.577	-.0122	.0169	-14.430
	.460	-.6091	.0056	150.800	-.4537	.0241	-3.938	-.1554	.0293	-8.623
	.513	-.6656	.0074	140.050	-.3314	.0216	7.214	-.3312	.0276	-2.949
	.566	-.7202	.0228	167.343	-.2339	.0224	12.673	-.4883	.0441	-1.106
	.680	-.3374	.0725	-175.950	-.0491	.0259	10.137	-.3865	.0983	5.651
	.742	-.2173	.0509	-151.158	-.1486	.0286	12.630	-.3660	.0793	17.889
	.830	-.1717	.0265	-141.754	-.3205	.0173	19.035	-.4922	.0433	30.668
	.910	-.0241	.0040	-23.641	-.3764	.0140	19.283	-.4005	.0114	33.106
	.975				.3197	.0056	10.575			
	.990	.1533	.0088	-143.710						
ETA = .972	.025	-.4026	.0105	-142.093	-.5980	.0117	28.674	-.1954	.0221	33.040
	.092	-.4984	.0041	-145.016	-.4978	.0086	13.684	-.0006	.0125	20.522
	.126				-.6015	.0074	-4.698			
	.160	-.6308	.0043	-153.089	-.6167	.0093	-30.951	-.0827	.0127	-17.578
	.227	-.6994	.0042	-166.770	-.3922	.0080	-73.777	-.2183	.0325	-22.845
	.294	-.6085	.0282	-169.879	-.2964	.0073	10.336	-.0328	.0284	-8.985
	.362	-.3622	.0231	-164.595	-.3171	.0106	-2.282	-.0343	.0338	1.642
	.430	-.3515	.0231	-179.566	-.2713	.0099	-1.919	-.0517	.0246	14.224
	.497	-.3230	.0152	-152.692	-.1558	.0087	3.908	-.1182	.0183	28.836
	.565	-.2740	.0110	-152.663	-.0086	.0064	6.659	-.2683	.0181	20.176
	.632	-.2576	.0106	-143.739	-.1272	.0034	10.321	-.3827	.0137	30.046
	.700	-.2554	.0106	-141.174	-.2491	.0007	46.970	-.4235	.0081	39.528
	.767	-.1744	.0056	-151.915	-.3193	.0022	120.326	-.4312	.0058	46.278
	.835	-.0518	.0044	-151.879	-.3474	.0033	159.969	-.3992	.0033	76.315
	.902				.2441	.0032	-147.850			
	.990	.0921	.0017	-132.340						
ETA = .875	.084	-.4845	.0022	-155.751						
	.143	-.4700	.0037	-146.200						
	.202									
	.294	-.5547	.0043	161.953						
	.354									
	.407	-.3113	.0695	-174.849						
	.463	-.1861	.0248	-134.630						
ETA = .981	.160				-.6308	.0107	-17.851			

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367

POINT NUMBER 941

MACH = .851
 Q = 203.387 PSF
 DELTA (MEAN) = -.067 DEG

RN = 3.567*10E6
 GAMMA = 1.131
 DELTA (AMPL) = 2.016 DEG

H = 740.475 PSF
 P = 496.550 PSF
 OSCILLATION FREQUENCY = 14.980 HZ

ALPHA = -.011 DEG
 CPSTAR = -.336
 K = .405

ANALYZED VALUES :

DELTA (MEAN) = .091 DEG
 DELTA (AMPL) = 1.981 DEG

OSCILLATION FREQUENCY = 15.025 HZ
 K = .407

	X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-.5798	.0118	-152.074	-.4580	.0136	16.140	-.1218	.0253	21.614
	.087	-.4818	.0084	-144.231	-.5249	.0115	23.053	-.0430	.0198	28.416
	.148	-.5476	.0105	-134.900	-.5259	.0143	36.166	-.0217	.0247	39.947
	.209	-.4839	.0066	-139.921	-.3790	.0070	57.576	-.0047	.0132	56.240
	.294	-.6819	.0080	-140.002	-.5128	.0034	88.902	-.1064	.0114	36.680
	.350	-.5999	.0076	-127.901	-.4808	.0081	8.778	-.1187	.0145	38.677
	.407	-.6474	.0029	-91.310	-.4272	.0074	27.719	-.2202	.0092	43.781
	.463	-.6474	.0023	177.953	-.4463	.0093	22.866	-.2205	.0114	18.002
	.519	-.6666	.0047	-59.600	-.1844	.0035	20.344	-.2698	.0063	3.379
	.579	-.6666	.0037	-103.787	-.1844	.0038	32.588	-.2659	.0070	55.091
	.659	-.7722	.0120	-22.779	-.0407	.0048	38.308	-.8133	.0166	1.756
	.739	-.3642	.0246	83.667	-.1965	.0041	31.306	-.2608	.0283	1.974
	.819	-.2378	.0181	138.325	-.2867	.0042	18.714	-.3244	.0285	1.417
	.899	-.0094	.0094	153.340	-.3494	.0034	44.328	-.4308	.0110	-9.650
	.974				-.2951	.0037	100.809			
	.990	.1201	.0048	139.244						
ETA = .871	.025	-.3484	.0185	-142.549	-.5125	.0274	19.958	-.1640	.0454	26.996
	.084	-.4874	.0134	-131.626	-.5471	.0129	16.718	-.0597	.0253	24.855
	.143	-.4431	.0115	-129.059	-.5310	.0127	-.911	-.0879	.0213	22.633
	.202	-.5440	.0060	-118.458	-.4937	.0117	4.355	-.0465	.0118	22.999
	.301	-.5470	.0081	-117.953	-.6589	.0249	-9.020	-.1118	.0288	6.533
	.354	-.5605	.0120	-133.729	-.5114	.0335	-6.522	-.0491	.0433	6.222
	.407	-.4731	.0028	-63.002	-.4877	.0350	-3.067	-.0146	.0337	1.707
	.460	-.6122	.0033	37.316	-.4576	.0463	3.143	-.1546	.0436	1.098
	.513	-.6666	.0091	72.343	-.3380	.0440	10.336	-.3285	.0405	-1.555
	.566	-.7136	.0361	124.290	-.2354	.0441	16.244	-.4782	.0661	-1.591
	.680	-.3508	.1365	168.129	-.0466	.0477	13.373	-.3974	.1888	-1.555
	.742	-.2179	.1014	-170.533	-.1451	.0538	12.717	-.3630	.1531	-1.591
	.830	-.1672	.0564	-153.228	-.3181	.0368	21.306	-.4853	.0931	24.614
	.910	-.0266	.0022	-85.116	-.3734	.0278	25.673	-.4001	.0287	29.789
	.975				-.3180	.0101	27.961			
	.990	.1516	.0187	-167.169						
ETA = .972	.025	-.4040	.0195	-130.786	-.5979	.0255	36.638	-.1939	.0447	42.084
	.092	-.4986	.0067	-122.013	-.4993	.0199	18.565	-.0007	.0254	28.195
	.126				-.6043	.0165	2.918			
	.160	-.6310	.0050	-135.651	-.6238	.0203	-23.695	-.0768	.0226	-16.634
	.227	-.7007	.0035	-151.154	-.3994	.0217	3.390	-.2230	.0575	-15.706
	.294	-.6224	.0377	153.440	-.2941	.0064	42.938	-.0340	.0430	-12.083
	.362	-.3281	.0440	119.586	-.3182	.0143	11.041	-.0320	.0623	-11.827
	.430	-.3501	.0494	161.714	-.2733	.0169	5.057	-.0508	.0525	-6.652
	.497	-.3242	.0356	-172.591	-.1568	.0156	11.717	-.1165	.0418	18.222
	.565	-.2733	.0264	-157.940	-.0103	.0102	24.366	-.2657	.0339	23.862
	.632	-.2759	.0267	-156.330	-.1261	.0057	37.833	-.3807	.0285	23.892
	.700	-.2546	.0230	-159.531	-.2485	.0045	86.340	-.4217	.0195	30.093
	.767	-.1732	.0174	-162.324	-.3186	.0060	121.403	-.4303	.0139	35.347
	.835	-.1117	.0148	-168.510	-.3473	.0077	141.002	-.4001	.0102	54.777
	.902	-.0528	.0124	-163.511	-.2438	.0077	176.083			
	.973									
	.990	.0916	.0039	-140.096						
ETA = .875	.084	-.4847	.0037	-103.202						
	.143	-.4717	.0072	-111.849						
	.202									
	.301	-.5560	.0035	-30.293						
	.407									
	.513	-.3258	.1339	167.069						
	.680	-.1796	.0516	-147.316						
ETA = .981	.160				-.6352	.0243	-7.723			

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367

POINT NUMBER 942

MACH = .852
 Q = 203.661 PSF
 DELTA (MEAN) = -.153 DEG

RN = 3.569*10E6
 GAMMA = 1.131
 DELTA (AMPL) = 3.052 DEG

H = 740.725 PSF
 P = 496.400 PSF
 OSCILLATION FREQUENCY = 15.010 HZ

ALPHA = -.011 DEG
 CPSTAR = -.334
 K = .406

ANALYZED VALUES : DELTA (MEAN) = .022 DEG DELTA (AMPL) = 2.995 DEG OSCILLATION FREQUENCY = 15.025 HZ K = .406

	X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-.5807	.0149	-152.356	-.4565	.0168	17.249	-.1242	.0316	22.134
	.087	-.4818	.0097	-148.580	-.5243	.0106	24.721	-.0425	.0203	27.922
	.148	-.5477	.0160	-142.403	-.5227	.0169	15.738	-.0250	.0323	26.365
	.209	-.4840	.0106	-135.661	-.3802	.0093	34.614	-.1038	.0198	39.795
	.294	-.6178	.0111	-145.708	-.5099	.0069	22.727	-.1078	.0179	29.863
	.350	-.5981	.0133	-147.934	-.4772	.0091	-13.905	-.1209	.0207	13.628
	.407	-.6459	.0066	-119.878	-.4269	.0107	-5.280	-.2190	.0147	18.769
	.463	-.6637	.0053	-173.828	-.4463	.0124	10.668	-.2174	.0177	9.322
	.519	-.6651	.0058	-84.011	-.3058	.0079	-3.016	-.3592	.0090	36.311
	.579	-.7512	.0064	-117.239	-.1848	.0075	9.984	-.5664	.0125	34.124
	.659	-.7768	.0117	-77.239	.0419	.0075	17.178	-.8186	.0144	71.417
	.739	-.3605	.0208	99.550	.1961	.0070	9.072	-.5566	.0220	-61.899
	.819	-.2384	.0152	136.785	.2880	.0063	15.637	-.5264	.0192	-26.932
	.899	-.0814	.0074	140.660	.3501	.0063	18.302	-.4315	.0120	-13.049
	.974				.2954	.0028	69.671			
	.990	.1215	.0059	148.819						
ETA = .871	.025	-.3474	.0243	-146.422	-.5108	.0359	15.513	-.1634	.0595	22.791
	.084	-.4876	.0194	-141.593	-.5459	.0180	11.587	-.0582	.0355	20.711
	.143	-.4430	.0169	-136.650	-.5299	.0180	-10.223	-.0869	.0312	15.652
	.202	-.5395	.0085	-133.506	-.4945	.0171	-8.382	-.0450	.0231	9.162
	.301	-.5452	.0159	-140.283	-.6562	.0382	-22.355	-.1110	.0478	-5.249
	.354	-.5562	.0221	-149.406	-.5114	.0561	-7.285	-.0447	.0748	3.169
	.407	-.4724	.0036	-143.411	-.4903	.0586	-1.238	-.0179	.0585	.926
	.460	-.6085	.0059	167.253	-.4565	.0708	2.547	-.1520	.0765	1.382
	.513	-.6629	.0132	128.417	-.3411	.0713	7.340	-.3218	.0789	-1.895
	.566	-.6922	.0717	138.408	-.2368	.0686	15.519	-.4554	.1232	-13.725
	.680	-.3612	.1892	172.883	.0455	.0732	12.411	-.4067	.2593	-1.703
	.742	-.2219	.1467	-171.221	.1436	.0821	13.028	-.3655	.2287	10.304
	.830	-.1604	.0758	-155.129	.3166	.0551	20.513	-.4770	.1308	23.036
	.910	-.0267	.0073	-165.612	.3723	.0488	24.260	-.3990	.0500	22.825
	.975				.3158	.0156	26.870			
	.990	.1491	.0280	-167.915						
ETA = .972	.025	-.4055	.0298	-140.848	-.5948	.0391	26.569	-.1892	.0685	32.008
	.092	-.5000	.0111	-129.592	-.4983	.0311	13.788	-.0017	.0406	23.185
	.126				-.6029	.0264	-.287			
	.160	-.6313	.0098	-151.791						
	.227	-.6997	.0094	-163.662	-.6229	.0312	-23.106	-.0769	.0389	-14.280
	.294	-.6014	.0701	146.750	-.4036	.0369	-12.380	-.1978	.1054	-26.086
	.362	-.3264	.0523	139.722	-.2941	.0163	37.058	-.0323	.0581	-24.390
	.430	-.3524	.0597	172.592	-.3192	.0237	7.155	-.0332	.0829	-3.284
	.497	-.3272	.0462	-176.055	-.2739	.0273	7.549	-.0533	.0735	5.284
	.565	-.2720	.0355	-157.442	-.1590	.0248	18.238	-.1130	.0603	20.782
	.632	-.2756	.0382	-163.776	-.0105	.0163	22.417	-.2651	.0544	18.075
	.700	-.2532	.0307	-158.122	.1258	.0086	34.505	-.3789	.0391	24.631
	.767	-.1718	.0259	-160.862	.2479	.0065	74.033	-.4197	.0301	29.310
	.835	-.1112	.0229	-170.551	.3191	.0091	119.010	-.4303	.0216	32.809
	.902	-.0512	.0173	-167.338	.3477	.0110	144.868	-.3989	.0128	52.089
	.973				.2440	.0103	176.966			
	.990	.0910	.0052	-158.303						
ETA = .875	.084	-.4845	.0067	-116.483						
	.143	-.4706	.0120	-128.514						
	.202									
	.301	-.5553	.0044	-123.213						
	.407									
	.513	-.3392	.1882	172.326						
	.680	-.1724	.0707	-148.886						
ETA = .981	.160				-.6344	.0366	-8.213			

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367									
POINT NUMBER 943	MACH = .851	RN = 3.568*10E6	H = 740.750 PSF	ALPHA = -.011 DEG					
	Q = 203.532 PSF	GAMMA = 1.131	P = 496.625 PSF	CPSTAR = -.336					
	DELTA (MEAN) = -.012 DEG	DELTA (AMPL) = 1.037 DEG	OSCILLATION FREQUENCY = 20.040 HZ	K = .542					
ANALYZED VALUES :	DELTA (MEAN) = .165 DEG	DELTA (AMPL) = 1.006 DEG	OSCILLATION FREQUENCY = 20.101 HZ	K = .544					
X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-.5796	.0034	-162.841	-.4605	.0028	70.281	.1191	.0056
	.087	-.4813	.0027	-148.500	-.5257	.0030	116.331	-.0444	.0042
	.148	-.5462	.0027	-160.373	-.5215	.0062	134.022	.0248	.0056
	.209	-.4831	.0024	-172.359	-.3799	.0086	-177.479	.1032	.0062
	.294	-.6171	.0030	-131.873	-.5118	.0098	-122.704	.1052	.0069
	.350	-.5956	.0024	-173.081	-.4776	.0077	-83.103	.1180	.0081
	.407	-.6446	.0027	-124.794	-.4278	.0023	-107.771	.2168	.0008
	.463	-.6604	.0041	160.273	-.4444	.0079	-65.756	.2161	.0111
	.519	-.6657	.0019	-47.472	-.3060	.0048	-29.377	.3596	.0031
	.579	-.7529	.0048	-113.238	-.1845	.0051	-51.747	.5684	.0051
	.659	-.7770	.0120	-125.915	.0420	.0036	-23.304	.8190	.0133
	.739	-.3611	.0059	20.445	.1955	.0026	-15.223	.5567	.0041
	.819	-.2413	.0038	70.058	.2853	.0026	-48.107	.5266	.0055
	.899	-.0835	.0023	87.221	.3465	.0029	-27.335	.4300	.0044
	.974				.2933	.0012	-55.304		
	.990	.1217	.0011	-165.330					
ETA = .871	.025	-.3468	.0046	-79.042	-.5154	.0015	-168.495	-.1687	.0048
	.084	-.4870	.0029	-90.234	-.5467	.0028	-145.634	-.0597	.0027
	.143	-.4416	.0042	-84.188	-.5278	.0046	-169.163	-.0862	.0016
	.202	-.5403	.0029	-53.035	-.4943	.0073	-58.222	.0460	.0044
	.301	-.5439	.0028	-49.261	-.6554	.0144	-41.719	-.1115	.0116
	.354	-.5492	.0056	-90.205	-.5099	.0249	-29.708	-.0393	.0227
	.407	-.4723	.0034	-35.550	-.4872	.0256	-7.853	-.0149	.0226
	.460	-.6097	.0037	-18.136	-.4538	.0287	-.223	.1559	.0252
	.513	-.6684	.0052	2.929	-.3368	.0295	14.100	.3316	.0244
	.566	-.7229	.0122	91.282	-.2331	.0260	21.966	.4897	.0245
	.680	-.3368	.0696	169.886	.0474	.0278	18.546	.3842	.0949
	.742	-.2173	.0549	-170.358	.1473	.0311	20.569	.3646	.0856
	.830	-.1722	.0319	-152.929	.3192	.0204	26.520	.4914	.0523
	.910	-.0264	.0036	-6.817	.3750	.0162	24.006	.4014	.0132
	.975				.3179	.0076	34.802		
	.990	.1523	.0083	-168.778					
ETA = .972	.025	-.4038	.0040	-20.125	-.5994	.0041	-82.976	-.1956	.0042
	.092	-.4993	.0017	-17.665	-.4991	.0095	-50.473	.0002	.0081
	.126				-.6039	.0078	-57.384		
	.160	-.6311	.0031	11.793					
	.227	-.7000	.0027	9.101	-.6193	.0140	-39.631	.0807	.0124
	.294	-.6043	.0203	61.278	-.3953	.0159	19.579	.2090	.0135
	.362	-.3323	.0250	114.684	-.2956	.0090	49.569	.0367	.0227
	.430	-.3542	.0334	148.648	-.3184	.0080	30.654	.0357	.0378
	.497	-.3244	.0196	176.802	-.2725	.0113	30.368	.0519	.0297
	.565	-.2752	.0160	-165.091	-.1569	.0101	31.606	.1183	.0258
	.632	-.2783	.0157	-157.838	-.0102	.0074	32.989	.2682	.0230
	.700	-.2555	.0111	-162.830	.1263	.0048	61.228	.3819	.0149
	.767	-.1759	.0089	-158.885	.2476	.0039	97.455	.4236	.0105
	.835	-.1138	.0063	-173.696	.3182	.0039	115.406	.4319	.0062
	.902	-.0534	.0051	179.835	.3453	.0058	139.964	.3987	.0038
	.973				.2432	.0042	161.782		
	.990	.0903	.0010	-169.325					
ETA = .875	.084								
	.143	-.4849	.0013	-53.038					
	.202	-.4706	.0034	-55.385					
	.261								
	.307	-.5559	.0037	-21.061					
	.353								
	.480	-.3100	.0651	167.389					
	.830	-.1858	.0287	-146.321					
ETA = .981	.160				-.6326	.0155	-47.329		

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367

POINT NUMBER 944

MACH = .849
 $Q = 202.613$ PSF
 DELTA (MEAN) = -.102 DEG

RN = 3.561×10^6
 GAMMA = 1.131
 DELTA (AMPL) = 2.034 DEG

H = 740.100 PSF
 P = 497.350 PSF
 OSCILLATION FREQUENCY = 20.081 HZ

ALPHA = -.012 DEG
 CPSTAR = -.342
 K = .545

ANALYZED VALUES : DELTA (MEAN) = .079 DEG DELTA (AMPL) = 1.985 DEG OSCILLATION FREQUENCY = 20.101 HZ K = .545

	X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-.5800	.0040	-123.579	-.4572	.0036	58.934	-.1229	.0076	57.611
	.087	-.4807	.0032	-131.337	-.5230	.0042	96.966	-.0423	.0068	76.282
	.148	-.5470	.0036	-115.782	-.5209	.0064	156.969	-.0261	.0075	123.139
	.209	-.4832	.0027	-133.057	-.5770	.0071	133.139	-.1061	.0044	-132.168
	.294	-.6181	.0033	-115.556	-.5100	.0051	146.965	-.1091	.0059	-155.792
	.350	-.5987	.0031	-115.843	-.4764	.0037	146.965	-.1223	.0055	-155.020
	.407	-.6465	.0017	-132.158	-.4248	.0027	164.590	-.2217	.0027	-77.778
	.463	-.6642	.0025	-134.194	-.4433	.0037	164.590	-.2206	.0109	-60.390
	.519	-.6654	.0042	-133.664	-.4433	.0037	164.590	-.2206	.0109	-60.390
	.579	-.7510	.0017	-133.199	-.4433	.0037	164.590	-.2206	.0109	-60.390
	.639	-.7747	.0065	-134.765	-.4433	.0037	164.590	-.2206	.0109	-60.390
	.739	-.3609	.0164	-92.705	-.0000	.0000	164.590	-.2206	.0109	-60.390
	.819	-.2370	.0114	-145.247	-.0000	.0000	164.590	-.2206	.0109	-60.390
	.899	-.0807	.0065	-161.158	-.0000	.0000	164.590	-.2206	.0109	-60.390
	.974				-.0000	.0000	164.590	-.2206	.0109	-60.390
	.990	.1223	.0037	134.190	.0000	.0000	164.590	-.2206	.0109	-60.390
ETA = .871	.025	-.3484	.0049	-120.829	-.5089	.0014	-21.592	-.1605	.0053	44.080
	.084	-.4876	.0042	-118.002	-.5089	.0014	-87.653	-.0558	.0021	3.308
	.143	-.4419	.0047	-99.621	-.5089	.0014	-75.976	-.0858	.0020	-8.820
	.202	-.5389	.0017	-83.323	-.5089	.0014	-61.495	-.0443	.0087	-57.351
	.261	-.5448	.0023	-89.569	-.5089	.0014	-43.200	-.1090	.0249	-40.845
	.320	-.5533	.0039	-99.074	-.5089	.0014	-36.270	-.0446	.0394	-33.447
	.379	-.4715	.0034	-100.522	-.5089	.0014	-14.575	-.0164	.0420	-14.175
	.438	-.6094	.0023	-133.485	-.5089	.0014	-11.347	-.1552	.0510	-4.662
	.497	-.6661	.0035	-136.485	-.5089	.0014	-11.058	-.3238	.0469	3.298
	.556	-.7087	.0020	-136.485	-.5089	.0014	-16.915	-.4764	.0669	-21.852
	.615	-.3454	.0000	-116.018	-.0000	.0000	-14.998	-.3394	.1873	-5.223
	.674	-.2177	.0033	-170.056	-.0000	.0000	-16.453	-.3646	.1672	12.202
	.733	-.1653	.0634	-148.391	-.0000	.0000	-23.332	-.4845	.1039	28.369
	.792	-.0263	.0046	-73.001	-.0000	.0000	-24.358	-.4012	.0317	32.628
	.851				-.0000	.0000	29.545			
	.910	.1530	.0203	-165.597	.0124	.0124				
ETA = .972	.025	-.4037	.0005	-17.424	-.5953	.0098	-49.127	-.1916	.0096	-51.862
	.084	-.4971	.0007	-15.876	-.4978	.0161	-44.877	-.0007	.0155	-46.132
	.143				-.6011	.0131	-56.140			
	.202	-.6302	.0017	12.641	-.6184	.0219	-48.503	.0814	.0212	-54.345
	.261	-.6998	.0023	21.372	-.4025	.0335	-4.345	.2065	.0492	-50.509
	.320	-.6089	.0035	86.594	-.2912	.0155	58.082	.0348	.0411	-31.037
	.379	-.3260	.0433	128.422	-.3173	.0186	21.414	.0345	.0713	-11.383
	.438	-.3518	.0396	158.363	-.2717	.0193	14.146	.0525	.0561	7.358
	.497	-.2242	.0330	176.176	-.1564	.0189	23.809	.1150	.0477	24.414
	.556	-.2715	.0288	155.189	-.0096	.0144	29.677	.2649	.0411	26.695
	.615	-.2745	.0267	154.912	-.1268	.0091	44.128	.3788	.0305	34.401
	.674	-.2520	.0216	149.681	-.2487	.0056	77.483	.4202	.0209	39.447
	.733	-.1714	.0168	152.405	-.3203	.0069	122.738	.4309	.0121	41.314
	.792	-.1107	.0130	170.343	-.3489	.0090	148.320	.4003	.0057	77.861
	.851	-.0130	.0089	174.502	-.2458	.0060	167.007			
	.910									
	.970	.0925	.0012	-175.656						
ETA = .875	.084	-.4836	.0016	-36.270						
	.143	-.4705	.0032	-66.658						
	.202									
	.261	-.5560	.0049	7.741						
	.320									
	.379	-.3217	.1351	165.078						
	.438	-.1781	.0568	-140.791						
ETA = .981	.160				-.6323	.0236	-50.393			

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367										
POINT NUMBER 945	MACH = .850	RN = 3.563*10E6	H = 740.575 PSF	ALPHA = -.011 DEG						
	Q = 203.028 PSF	GAMMA = 1.131	P = 497.225 PSF	CPSTAR = -.340						
	DELTA (MEAN) = -.212 DEG	DELTA (AMPL) = 3.071 DEG	OSCILLATION FREQUENCY = 20.040 HZ	K = .543						
ANALYZED VALUES :	DELTA (MEAN) = -.046 DEG	DELTA (AMPL) = 2.997 DEG	OSCILLATION FREQUENCY = 20.080 HZ	K = .544						
	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE	
ETA = .707	.025 .087 .148 .209 .294 .350 .407 .463 .519 .579 .659 .739 .819 .899 .974 .990	-.5815 -.4823 -.5473 -.4833 -.6171 -.5957 -.6445 -.6628 -.6650 -.7512 -.7678 -.3565 -.2336 -.0812 .1235	.0051 .0058 .0074 .0041 .0058 .0052 .0050 .0056 .0058 .0055 .0184 .0208 .0198 .0106 .0057	-123.826 -145.477 -130.835 -145.478 -154.883 -156.788 -147.703 -160.895 -64.702 -105.557 -97.822 29.325 89.701 110.548 95.900	-.4552 -.5212 -.5177 -.3770 -.5097 -.4740 -.4232 -.4419 -.3038 -.1825 -.0432 -.1973 -.2880 -.3497 .2955	.0047 .0072 .0153 .0188 .0128 .0179 .0130 .0206 .0115 .0120 .0111 .0101 .0081 .0080 .0035	105.775 135.891 -174.764 -120.783 -76.143 -66.289 -35.662 -40.648 -11.467 -13.518 -2.694 2.018 -9.540 -15.088 26.670	-.1263 -.0389 -.0297 -.1063 -.1074 -.1217 -.2214 -.2209 -.3612 -.5687 -.8110 -.5538 -.5262 -.4308 .4308	.0089 .0083 .0112 .0152 .0130 .0193 .0156 .0239 .0093 .0134 .0228 .0127 .0226 .0127 .0166	79.894 92.698 157.991 -114.301 -50.152 -44.390 -18.277 -28.899 18.577 10.670 53.922 -128.975 -69.548 -46.376 .544
ETA = .871	.025 .084 .143 .202 .301 .354 .407 .460 .513 .566 .680 .742 .830 .910 .975 .990	-.3503 -.4894 -.4333 -.4366 -.5333 -.5377 -.4074 -.6067 -.6099 -.6802 -.3456 -.2155 -.1530 -.0257 .1482	.0063 .0072 .0076 .0053 .0069 .0100 .0066 .0129 .0182 .0777 .1837 .1566 .0955 .0091 .0316	-101.621 -92.215 -90.255 -74.689 -60.703 -66.369 -22.333 5.825 103.688 164.474 -175.435 -153.285 -153.355 -179.161	-.5047 -.5405 -.5252 -.4907 -.6481 -.5081 -.4891 -.4554 -.3409 -.2363 -.0447 -.1425 -.3718 .3156	.0067 .0091 .0134 .0196 .0387 .0662 .0676 .0833 .0807 .0763 .0803 .0887 .0629 .0469 .0181	-93.297 -90.824 -80.934 -53.328 -40.827 -23.774 -11.376 1.893 11.852 20.681 15.458 17.058 23.279 26.660 37.429	-.1544 -.0511 -.0823 -.0489 -.1028 -.0436 -.0177 -.1520 -.3189 -.4439 -.3904 -.3577 -.4746 -.3974 .4308	.0010 .0019 .0060 .0148 .0323 .0593 .0634 .0704 .0696 .1022 .1022 .1440 .1584 .0560 .544	-30.381 -85.575 -69.140 -45.829 -36.740 -17.168 -9.425 2.064 8.225 -28.312 -5.945 9.065 24.145 26.658 .544
ETA = .972	.025 .092 .126 .160 .227 .294 .362 .430 .497 .565 .632 .700 .767 .835 .902 .973 .990	-.4068 -.4991 -.6308 -.6930 -.5776 -.3239 -.3552 -.3274 -.2714 -.2729 -.2514 -.1701 -.1092 -.0504 .0929	.0023 .0038 .0056 .0062 .0778 .0633 .0807 .0602 .0478 .0456 .0369 .0285 .0223 .0179 .0050	.008 10.176 23.328 20.677 77.116 120.919 154.609 171.469 -163.344 -163.443 -159.403 -159.792 -176.788 -173.182 -169.577	-.5918 -.4939 -.5983 -.6162 -.4065 -.2926 -.3187 -.2733 -.1572 -.1010 -.1255 -.2484 -.3201 -.3484 .2446	.0168 .0261 .0224 .0327 .0487 .0210 .0251 .0286 .0280 .0199 .0135 .0098 .0108 .0133 .0120	-39.913 -38.425 -46.882 -33.791 -8.212 59.731 30.722 22.830 30.239 37.492 52.181 89.677 124.950 140.626 161.246	-.1851 -.0052 .0828 -.1711 -.0313 -.0365 -.0541 -.1142 -.2630 -.3769 -.4185 -.4293 -.3987 .4308 .4308	.0151 .0238 .0295 .0884 .0563 .0970 .0859 .0753 .0646 .0489 .0332 .0190 .0129 .544	-45.519 -45.316 -43.629 -69.563 -39.995 -12.980 1.444 21.665 22.878 28.908 36.241 32.141 54.651 .544
ETA = .875	.084 .143 .202 .301 .407 .513 .680 .830	-.4848 -.4713 -.5548 -.3244 -.1711	.0033 .0071 .0107 .1800 .0879	-51.767 -50.006 -10.420 163.027 -147.831	-.6276 .0379 -40.816					
ETA = .981	.160									

Table 4. Continued

UNSTEADY PRESSURES -					TDT TEST 367					
POINT NUMBER 984		MACH = .801		RN = .644*10E6		H = 353.050 PSF		ALPHA = 1.999 DEG		
		Q = 103.935 PSF		GAMMA = 1.400		P = 231.350 PSF		CPSTAR = -.431		
		DELTA (MEAN) = -.080 DEG		DELTA (AMPL) = 1.012 DEG		OSCILLATION FREQUENCY = 4.990 HZ		K = .066		
ANALYZED VALUES :		DELTA (MEAN) = .112 DEG		DELTA (AMPL) = .997 DEG		OSCILLATION FREQUENCY = 4.998 HZ		K = .066		
	X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-1.1004	.0003	34.034	.0858	.0041	159.152	1.1862	.0043	162.439
	.087	-1.0757	.0062	10.568	-.0908	.0011	-176.556	.9849	.0073	-170.504
	.148	-1.0548	.0072	-6.309	-.1375	.0016	-133.967	.9173	.0083	-177.504
	.209	-.9961	.0051	-19.309	-.1540	.0043	-162.869	.8421	.0089	-177.306
	.294	-.9821	.0046	-17.239	-.2038	.0030	-164.038	.7784	.0076	-163.265
	.350	-.9831	.0043	8.303	-.2233	.0013	124.122	.7598	.0050	-174.781
	.407	-.9762	.0057	27.831	-.2200	.0007	12.177	.7562	.0050	-150.017
	.463	-.9305	.0110	63.563	-.2242	.0024	-64.551	.7063	.0126	-107.834
	.519	-.8971	.0034	-18.625	-.1833	.0013	-159.998	.7138	.0045	-172.018
	.579	-.8959	.0028	4.023	-.1386	.0013	144.717	.7138	.0039	-171.814
	.659	-.5999	.0256	140.629	-.0494	.0053	148.779	.5505	.0294	-31.737
	.739	-.2998	.0043	-168.166	.2323	.0020	2.5743	.5322	.0063	16.239
	.819	-.2788	.0036	-142.639	.3626	.0032	-50.189	.6414	.0049	-3.188
	.899	-.1211	.0038	-163.295	.4186	.0009	-116.100	.5397	.0033	5.005
	.974				.2933	.0006	40.157			
	.990	.0802	.0021	-143.917						
ETA = .871	.025	-1.0319	.0058	3.707	.1282	.0015	-173.165	1.1601	.0073	-175.650
	.084	-1.1253	.0072	-7.879	-.0610	.0012	-127.960	1.0642	.0079	-179.703
	.143	-1.1006	.0054	-17.510	-.1167	.0016	-126.999	.9840	.0061	-176.752
	.202	-1.0798	.0037	-3.323	-.1668	.0042	-156.193	.9130	.0014	-74.715
	.301	-1.0130	.0066	142.254	-.2511	.0082	5.583	.7619	.0138	-13.566
	.354	-.9394	.0033	106.687	-.2096	.0090	-2.742	.7298	.0106	-19.871
	.407	-.9460	.0043	-22.144	-.2311	.0083	-4.596	.7149	.0044	-12.558
	.460	-.9264	.0065	-18.927	-.2317	.0116	-5.157	.6946	.0063	-30.244
	.513	-.8501	.0459	172.280	-.1774	.0135	14.8276	.6728	.0586	-2.773
	.566	-.4644	.0980	174.809	-.1606	.0143	9.916	.3038	.1119	-3.282
	.680	-.2249	.0170	-172.330	-.1504	.0356	-1.220	.0746	.0525	2.328
	.742	-.1787	.0270	-170.028	.1662	.0308	-3.048	.3450	.0574	3.032
	.830	-.1639	.0212	-175.589	.3377	.0143	-1.273	.5017	.0355	2.524
	.910	-.0280	.0071	-169.363	.3912	.0096	8.749	.4191	.0167	9.552
	.975				.2804	.0060	8.671			
	.990	.1014	.0020	105.018						
ETA = .972	.025	-1.0667	.0031	.976	.0242	.0020	-128.975	1.0909	.0046	-159.749
	.092	-1.1265	.0094	171.110	-.1573	.0019	36.359	.9692	.0108	-1.728
	.126				-.2203	.0034	30.393			
	.160	-1.0135	.0086	162.222	-.3257	.0075	6.426	.6660	.0046	-31.693
	.227	-.9917	.0048	43.000	-.3746	.0064	-9.926	.4778	.0362	-8.567
	.294	-.7924	.0298	171.725	-.3785	.0047	-5.844	.2173	.0160	-22.089
	.362	-.4959	.0116	151.403	-.2413	.0072	20.664	.0751	.0140	3.546
	.430	-.3164	.0074	166.904	-.2273	.0078	13.501	.0377	.0155	4.669
	.497	-.2655	.0079	175.950	-.1902	.0083	17.003	.0770	.0173	5.623
	.565	-.2672	.0093	175.480	-.1628	.0089	-4.193	.1201	.0175	2.461
	.632	-.2828	.0087	-170.332	.0831	.0025	-43.540	.3457	.0160	4.188
	.700	-.2625	.0144	-168.431	.2111	.0027	176.741	.4330	.0100	8.218
	.767	-.2218	.0127	-174.206	.2869	.0028	-120.468	.4642	.0122	6.890
	.835	-.1772	.0136	176.013	.2853	.0023	-175.775	.4034	.0092	-11.251
	.902	-.1181	.0114	171.835	.1525	.0032	-171.069			
	.973									
	.990	-.0082	.0006	166.452						
ETA = .875	.084									
	.143	-1.1348	.0057	16.606						
	.202	-1.1145	.0066	5.719						
	.301									
	.407	-.9016	.0040	5.918						
ETA = .981	.513									
	.680	-.2280	.0106	174.358						
	.830	-.1610	.0224	-176.376						
ETA = .981	.160				-.3105	.0050	-25.938			

POINT NUMBER 985

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MACH = .801 RN = .644*10E6
Q = 104.077 PSF GAMMA = 1.400
DELTA (MEAN) = -.109 DEG DELTA (AMPL) = 2.038 DEG

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H = 353.425 PSF ALPHA = 1.999 DEG
P = 231.550 PSF CPSTAR = -.431
OSCILLATION FREQUENCY = 5.000 HZ K = .066

ANALYZED VALUES : DELTA (MEAN) = .067 DEG DELTA (AMPL) = 1.978 DEG OSCILLATION FREQUENCY = 4.998 HZ K = .066

	X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025 .087 .148 .209 .294 .350 .407 .463 .519 .579 .659 .739 .819 .899 .974 .990	-1.10330 -1.07779 -1.05499 -.99800 -.98233 -.98466 -.97688 -.93355 -.89994 -.89885 -.61668 -.29933 -.27882 -.12144 .07811	.00447 .01022 .01044 .00991 .00094 .00833 .00822 .01411 .00422 .00688 .03755 .01000 .00891 .00556 .0007	15.678 15.588 -4.704 6.935 7.234 11.223 14.193 45.562 17.405 18.080 149.652 172.252 179.968 -156.716 35.085	-.0841 -.0918 -1.391 -1.555 -1.205 -1.226 -1.222 -1.226 -1.862 -1.138 -.0502 -.2284 -.3604 .4165 .2915	.00771 .00338 .00199 .00455 .00008 .00004 .00015 .00433 .00027 .00077 .01144 .00335 .00228 .00155 .0019	-167.278 -179.856 -152.458 -156.644 51.974 70.260 -107.306 -50.747 -38.603 41.401 -1.710 -27.464 -8.685 -118.327 -29.106	1.1871 .9861 .9159 .8425 .7770 .7579 .7546 .7074 .7131 .7597 .5665 .5276 .6386 .5379	.0118 .0139 .0120 .0135 .0088 .0081 .0091 .0152 .0035 .0062 .0478 .0133 .0109 .0045	-166.101 -168.587 -179.878 -167.649 -176.414 -171.204 -157.705 -118.093 -122.833 -164.497 -23.787 -12.823 -2.204 11.395
ETA = .871	.025 .084 .143 .202 .301 .354 .407 .460 .513 .566 .680 .742 .830 .910 .975 .990	-1.0316 -1.1241 -1.1004 -1.0803 -1.0152 -.9408 -.9501 -.9291 -.8380 -.4836 -.2240 -.1787 -.1642 -.0306 .0995	.0083 .0117 .0122 .0109 .0082 .0033 .0075 .0124 .0840 .1837 .0343 .0544 .0433 .0145 .0010	1.588 -7.574 -1.081 14.555 147.186 108.428 4.474 3.857 176.376 176.350 172.353 175.019 179.368 179.257 37.536	-.1249 -.0640 -1.178 -1.707 -1.254 -1.210 -1.232 -1.236 -1.803 -1.162 -1.139 -1.592 -.337 .3901 .2791	.00441 .00028 .00268 .00619 .0121 .0147 .0185 .0263 .0265 .0269 .0749 .0622 .0282 .0186 .0100	-161.579 -109.151 -67.716 -17.146 -1.303 -2.733 -1.737 5.247 5.581 3.825 -4.62 1.539 -3.086 3.799 7.836	1.1565 1.0601 .9827 .9096 .7606 .7302 .7178 .6929 .6577 .3209 .0842 .3379 .5012 .4207	.0123 .0126 .0114 .0062 .0196 .0162 .0111 .0139 .1102 .2104 .1090 .1165 .0715 .0331	-172.864 -174.964 -168.032 -129.657 -13.956 -13.693 -5.940 6.486 -1.420 -2.697 -2.083 3.145 -8.834 1.810
ETA = .972	.025 .092 .126 .160 .227 .294 .362 .430 .497 .565 .632 .700 .767 .835 .902 .973 .990	-1.0680 -1.1289 -1.0173 -.9928 -.7955 -.5003 -.3177 -.2664 -.1955 -.2844 -.2640 -.2221 -.1796 -.1210 -.0097	.0056 .0169 .0129 .0051 .0546 .0223 .0104 .0150 .0195 .0213 .0287 .0245 .0262 .0246 .0038	26.638 164.722 153.836 46.869 173.550 151.590 164.345 175.167 178.142 173.682 169.455 172.211 176.786 179.998 -151.089	-.0214 -.1596 -.2226 -.3290 -.3180 -.2822 -.2445 -.2314 -.1939 -.1641 -.0804 -.2085 -.2852 -.2836 .1518	.0035 .0044 .0078 .0117 .0108 .0144 .0161 .0136 .0152 .0171 .0051 .0049 .0034 .0060 .0060	-127.321 -34.964 -4.987 -.685 -7.080 2.297 12.123 8.145 4.203 3.871 22.154 149.776 169.472 168.612 -174.992	1.0893 .9693 .6638 .4774 .2181 .0732 .0349 .0759 .1203 .3443 .3406 .4638 .4046	.0089 .0211 .0091 .0654 .0355 .0258 .0286 .0347 .0384 .0337 .0209 .0228 .0188	-143.396 -19.307 -25.185 -6.554 -16.439 1.278 6.408 2.885 5.228 12.289 16.107 -2.128 3.624
ETA = .875	.084 .143 .202 .301 .407 .513 .680 .830	-1.1347 -1.1168 -.8989 -.2255 -.1579	.0107 .0131 .0076 .0342 .0453	11.889 18.313 24.321 -163.043 -173.859						
ETA = .981	.160				-.3146	.0075	-6.125			

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367									
POINT NUMBER 986	MACH = .802	RN = .644*10E6	H = 353.625 PSF	ALPHA = 1.999 DEG					
	Q = 104.208 PSF	GAMMA = 1.400	P = 231.575 PSF	CPSTAR = -.430					
	DELTA (MEAN) = -.228 DEG	DELTA (AMPL) = 3.031 DEG	OSCILLATION FREQUENCY = 5.000 HZ	K = .066					
ANALYZED VALUES :	DELTA (MEAN) = .016 DEG	DELTA (AMPL) = 2.955 DEG	OSCILLATION FREQUENCY = 5.002 HZ	K = .066					
X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025 -1.1032	.0069	-6.979	.0853	.0112	-168.724	1.1885	.0179	-175.665
	.087 -1.0776	.0157	9.486	-.0920	.0095	-161.014	.9856	.0251	-166.935
	.148 -1.0528	.0168	2.964	-.1381	.0056	-169.587	.9148	.0224	-175.175
	.209 -.9978	.0127	.415	-.1547	.0064	-135.381	.8432	.0179	-165.112
	.294 -.9817	.0153	7.206	-.2020	.0043	-157.606	.7797	.0195	-169.479
	.350 -.9853	.0180	-.307	-.2254	.0017	-147.578	.7599	.0195	-177.599
	.407 -.9726	.0091	7.428	-.2201	.0039	-68.577	.7525	.0090	-147.684
	.463 -.9256	.0181	46.190	-.2245	.0016	-55.582	.7011	.0185	-128.952
	.519 -.8941	.0082	8.049	-.1878	.0025	14.107	.7063	.0057	-174.595
	.579 -.8957	.0125	14.220	-.1378	.0042	-48.675	.7579	.0112	-146.328
	.659 -.5860	.0657	157.845	-.0525	.0174	-2.635	.5335	.0823	-18.105
	.739 -.3021	.0162	-163.018	.2272	.0047	-2.445	.5293	.0207	12.649
	.819 -.2811	.0166	178.417	.3597	.0038	-47.875	.6408	.0194	-9.715
	.899 -.1218	.0074	-174.403	.4159	.0029	4.225	.5377	.0103	5.211
	.974			.2890	.0048	3.325			
	.990	.0796	.0025	-90.891					
ETA = .871	.025 -1.0284	.0136	-4.244	.1243	.0072	-156.532	1.1527	.0203	-174.728
	.084 -1.1237	.0144	-.370	-.0609	.0041	-114.840	1.0628	.0165	-167.319
	.143 -1.0991	.0175	5.405	-.1169	.0040	-68.221	.9822	.0168	-161.402
	.202 -1.0776	.0177	4.757	-.1698	.0106	-18.814	.9078	.0090	-147.280
	.301 -1.0093	.0128	151.890	-.2543	.0180	-10.178	.7550	.0304	-17.618
	.354 -.9379	.0049	113.932	-.2101	.0206	-1.887	.7278	.0232	-12.867
	.407 -.9493	.0098	-5.635	-.2311	.0284	-.997	.7182	.0186	1.438
	.460 -.9261	.0115	21.537	-.2349	.0386	-.943	.6912	.0283	-9.877
	.513 -.7920	.1464	178.926	-.1785	.0410	2.245	.6135	.0873	-.348
	.566 -.4754	.2523	177.860	-.1617	.0409	2.655	.3137	.2931	-1.472
	.680 -.2225	.0492	-171.677	-.1250	.1114	-.770	.0976	.1602	2.012
	.742 -.1765	.0803	-175.684	.1474	.0950	.586	.3239	.1752	2.294
	.830 -.1631	.0671	-179.772	.3355	.0456	-2.899	.4986	.1127	-1.037
	.910 -.0307	.0195	177.884	.3900	.0262	-.987	.4207	.0457	-1.469
	.975			.2815	.0152	-5.772			
	.990	.0994	.0029	-34.670					
ETA = .972	.025 -1.0667	.0109	20.783	.0226	.0041	-107.167	1.0893	.0138	-145.673
	.092 -1.1223	.0248	167.881	-.1606	.0083	-29.436	.9617	.0328	-16.436
	.126			-.2217	.0082	-33.902			
	.160 -1.0163	.0150	156.122	-.3281	.0149	-7.486	.6618	.0100	-48.197
	.227 -.9898	.0098	34.402	-.3161	.0190	-7.104	.4707	.1060	-4.431
	.294 -.7868	.0870	176.153	-.2813	.0223	3.168	.2094	.0570	-13.156
	.362 -.4908	.0361	156.846	-.2419	.0231	2.959	.0704	.0364	-3.400
	.430 -.3124	.0137	165.836	-.2321	.0221	-4.280	.0324	.0446	.583
	.497 -.2645	.0317	-174.684	-.1945	.0189	2.053	.0765	.0506	5.079
	.565 -.2710	.0354	-173.117	-.1639	.0244	6.038	.1196	.0598	8.437
	.632 -.2834	.0437	-169.909	.0792	.0099	-2.581	.3434	.0535	2.801
	.700 -.2643	.0380	-175.982	.2091	.0059	172.906	.4305	.0322	2.954
	.767 -.2214	.0366	-178.598	.2857	.0061	179.200	.4647	.0305	1.654
	.835 -.1790	.0342	-178.752	.2820	.0104	-175.671	.4024	.0238	-2.049
	.902 -.1203		179.887	.1517	.0117	179.518			
	.973								
	.990	-.0087	.0055	-174.737					
ETA = .875	.084 -1.1327	.0173	12.005						
	.143 -1.1180	.0195	10.249						
	.202								
	.301 -.8936	.0112	18.348						
	.407								
	.513								
	.680 -.2259	.0520	-170.046						
	.830 -.1571	.0683	-174.732						
ETA = .981	.160			-.3127	.0101	-22.233			

Table 4. Continued

UNSTEADY PRESSURES -						TDT TEST 367				
POINT NUMBER 987		MACH = .801		RN = .644*10E6		H = 354.025 PSF		ALPHA = 1.999 DEG		
		Q = 104.164 PSF		GAMMA = 1.400		P = 232.075 PSF		CPSTAR = -.432		
		DELTA (MEAN) = -.091 DEG		DELTA (AMPL) = 1.032 DEG		OSCILLATION FREQUENCY = 15.010 HZ		K = .197		
ANALYZED VALUES :		DELTA (MEAN) = .083 DEG		DELTA (AMPL) = 1.126 DEG		OSCILLATION FREQUENCY = 15.010 HZ		K = .197		
	X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-1.1083	.0008	40.220	.0883	.0038	-9.729	1.1966	.0033	-20.288
	.087	-1.0847	.0025	155.419	-.0909	.0039	-14.733	.9938	.0064	-18.578
	.148	-1.0544	.0023	152.656	-.1368	.0025	-31.271	.9176	.0048	-29.389
	.209	-1.0007	.0030	149.129	-.1527	.0028	-12.072	.8480	.0057	-21.799
	.294	-.9827	.0027	143.288	-.1991	.0028	-2.191	.7835	.0053	-19.128
	.350	-.9838	.0040	134.721	-.2265	.0026	-6.229	.7572	.0062	-30.056
	.407	-.9654	.0048	144.291	-.2189	.0022	-13.255	.7465	.0069	-28.699
	.463	-.9139	.0188	139.294	-.2258	.0039	-6.542	.6881	.0221	-35.028
	.519	-.8867	.0037	130.500	-.1859	.0025	-13.608	.7008	.0059	-35.141
	.579	-.8885	.0064	136.951	-.1351	.0036	-5.718	.7534	.0095	-29.787
	.659	-.5264	.0289	134.980	-.0527	.0031	5.091	.4737	.0310	-40.617
	.739	-.3149	.0060	-110.466	-.2252	.0021	-3.181	.5401	.0069	52.692
	.819	-.2893	.0038	-119.180	.3621	.0024	-12.503	.6514	.0050	33.700
	.899	-.1232	.0016	-141.764	.4164	.0028	-10.412	.5396	.0040	6.884
	.974			.2903	.0006		91.308			
	.990	.0788	.0004	129.125						
ETA = .871	.025	-1.0306	.0043	158.186	.1275	.0081	-15.384	1.1581	.0124	-17.613
	.084	-1.1253	.0038	133.345	-.0583	.0057	-15.760	1.0670	.0092	-28.044
	.143	-1.1009	.0037	150.292	-.1126	.0062	-11.167	.9883	.0098	-18.077
	.202	-1.0786	.0047	135.711	-.1673	.0080	-11.944	.9113	.0122	-23.807
	.301	-1.0086	.0135	164.979	-.2540	.0089	-2.073	.7547	.0222	-8.242
	.354	-.9301	.0121	164.226	-.2061	.0111	5.326	.7240	.0228	-5.684
	.407	-.9480	.0044	126.301	-.2291	.0121	5.106	.7189	.0149	-9.563
	.460	-.9281	.0056	151.811	-.2294	.0161	4.177	.6987	.0210	-4.013
	.513	-.7971	.0920	169.200	-.1734	.0175	6.431	.6237	.1088	-8.070
	.566	-.3985	.1010	174.359	-.1564	.0178	10.567	.2420	.1182	-3.232
	.680	-.2337	.0166	-147.426	-.1550	.0320	2.033	.0787	.0471	12.359
	.742	-.1810	.0258	-170.323	.1673	.0317	2.199	.3483	.0574	5.554
	.830	-.1661	.0165	-175.544	.3399	.0146	-4.569	.5059	.0310	.220
	.910	-.0280	.0049	-161.973	.3971	.0091	8.665	.4250	.0140	11.939
	.975			.2843	.0034		8.834			
	.990	.1004	.0006	-157.176						
ETA = .972	.025	-1.0730	.0068	160.868	.0255	.0098	-9.733	1.0985	.0165	-13.582
	.092	-1.1260	.0165	162.479	-.1583	.0083	1.593	.9677	.0245	-11.150
	.126				-.2184	.0088	-.370			
	.160	-1.0145	.0142	169.751						
	.227	-.9949	.0099	161.429	-.3249	.0074	-2.827	.6700	.0171	-11.843
	.294	-.7611	.0398	168.351	-.3142	.0067	9.568	.4469	.0461	-8.635
	.362	-.4808	.0380	163.794	-.2781	.0088	19.008	.2027	.0455	-9.799
	.430	-.3110	.0182	172.164	-.2366	.0071	15.961	.0744	.0249	-1.219
	.497	-.2670	.0072	-168.450	-.2301	.0073	10.332	.0369	.0145	10.937
	.565	-.2742	.0067	-152.148	-.1915	.0085	15.766	.0827	.0151	21.091
	.632	-.2881	.0083	-152.398	-.1619	.0066	15.814	.1262	.0148	22.383
	.700	-.2643	.0127	-169.465	.0816	.0035	40.086	.3459	.0158	16.792
	.767	-.2236	.0117	-173.047	.2105	.0037	148.841	.4342	.0091	21.518
	.835	-.1796	.0131	-179.887	.2868	.0037	139.143	.4664	.0106	13.358
	.902	-.1206	.0125	-173.935	.2811	.0047	153.067	.4017	.0089	22.716
	.973			.1502	.0050		171.669			
	.990	-.0084	.0044	173.296						
ETA = .875	.084	-1.1318	.0052	161.249						
	.143	-1.1237	.0083	155.980						
	.202									
	.301	-.8869	.0111	152.939						
	.407									
	.513	-.2338	.0167	-137.477						
	.680	-.1585	.0223	-165.293						
	.830									
ETA = .981	.160				-.3080	.0071	-4.267			

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367

POINT NUMBER 988

MACH = .801
 Q = 104.235 PSF
 DELTA (MEAN) = -.143 DEG
 RN = .644*10E6
 GAMMA = 1.400
 DELTA (AMPL) = 2.034 DEG

H = 354.075 PSF
 P = 232.025 PSF
 OSCILLATION FREQUENCY = 15.010 HZ
 ALPHA = 1.999 DEG
 CPSTAR = -.431
 K = .197

ANALYZED VALUES : DELTA (MEAN) = .012 DEG DELTA (AMPL) = 2.008 DEG OSCILLATION FREQUENCY = 15.010 HZ K = .197

	X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-1.1100	.0005	67.796	.0859	.0047	-39.687	1.1960	.0049	-45.302
	.087	-1.0851	.0035	143.948	-.0933	.0040	-16.639	.9918	.0074	-25.692
	.148	-1.0553	.0053	175.218	-.1386	.0035	-33.607	.9167	.0085	-16.186
	.209	-1.0029	.0036	146.536	-.1556	.0058	-11.744	.8473	.0092	-20.033
	.294	-.9827	.0029	161.944	-.2029	.0037	-39.145	.7798	.0065	-29.893
	.350	-.9865	.0040	139.114	-.2285	.0046	-2.170	.7580	.0081	-20.124
	.407	-.9703	.0073	161.944	-.2208	.0049	-24.050	.7495	.0122	-20.463
	.463	-.9195	.0212	139.024	-.2291	.0073	2.689	.6904	.0270	-30.199
	.519	-.8909	.0049	139.778	-.1895	.0052	-28.768	.7014	.0100	-34.324
	.579	-.8943	.0078	147.954	-.1375	.0056	-11.100	.7568	.0132	-23.311
	.659	-.5535	.0568	145.059	-.0551	.0062	-14.490	.4984	.0626	-32.959
	.739	-.3120	.0069	-108.413	-.2220	.0047	1.056	.5340	.0096	43.960
	.819	-.2899	.0056	-121.938	.3614	.0046	-38.130	.6513	.0069	16.201
	.899	-.1244	.0033	-115.840	.4152	.0019	8.169	.5395	.0046	44.309
	.974				.2886	.0020	-63.555			
	.990	.0778	.0027	-130.273						
ETA = .871	.025	-1.0302	.0059	135.920	.1249	.0122	-29.675	1.1550	.0180	-34.359
	.084	-1.1261	.0055	131.469	-.0602	.0108	-15.172	1.0659	.0157	-26.287
	.143	-1.1031	.0070	145.580	-.1147	.0103	-27.274	.9883	.0173	-30.164
	.202	-1.0806	.0070	137.724	-.1704	.0149	-19.054	.9102	.0215	-26.426
	.301	-1.0126	.0261	170.735	-.2577	.0172	-4.813	.7549	.0433	-7.497
	.354	-.9325	.0211	169.171	-.2095	.0210	-3.246	.7230	.0420	-7.047
	.407	-.9503	.0075	146.211	-.2319	.0210	2.182	.7184	.0274	-7.061
	.460	-.9290	.0105	176.347	-.2338	.0303	1.962	.6951	.0408	.518
	.513	-.7941	.1522	-179.076	-.1778	.0297	3.224	.6163	.1819	1.299
	.566	-.4320	.1786	177.341	-.1600	.0304	8.583	.2720	.2085	-1.030
	.680	-.2298	.0289	-154.532	-.1494	.0609	-1.451	.0804	.0877	7.134
	.742	-.1762	.0444	-171.218	.1588	.0576	-1.882	.3350	.1016	2.758
	.830	-.1633	.0301	-175.348	.3362	.0257	-8.520	.4995	.0554	-1.412
	.910	-.0299	.0109	-167.607	.3947	.0176	1.477	.4246	.0284	5.649
	.975				.2833	.0071	-17.076			
	.990	.0989	.0013	-134.692						
ETA = .972	.025	-1.0738	.0107	159.557	.0231	.0161	-7.758	1.0969	.0266	-12.818
	.092	-1.1290	.0285	171.973	-.1617	.0146	-8.449	.9673	.0431	-8.170
	.126				-.2228	.0141	-6.960			
	.160	-1.0171	.0243	172.097						
	.227	-.9955	.0162	171.607	-.3291	.0121	-7.922	.6664	.0283	-8.192
	.294	-.7713	.0710	172.038	-.3186	.0131	-3.618	.4527	.0841	-7.286
	.362	-.4880	.0630	170.393	-.2823	.0147	4.588	.2057	.0773	-6.935
	.430	-.3152	.0316	174.980	-.2405	.0157	6.314	.0747	.0471	-1.264
	.497	-.2691	.0119	-159.949	-.2325	.0145	4.097	.0366	.0261	11.283
	.565	-.2746	.0135	-153.642	-.1969	.0137	7.300	.0777	.0268	16.759
	.632	-.2882	.0146	-156.057	-.1663	.0127	7.380	.1218	.0270	16.242
	.700	-.2655	.0221	-170.161	-.0782	.0060	13.789	.3437	.0281	10.682
	.767	-.2256	.0201	-169.263	.2085	.0057	163.750	.4342	.0152	20.507
	.835	-.1815	.0238	-177.573	.2856	.0073	166.948	.4671	.0169	9.057
	.902	-.1228	.0218	-177.654	.2795	.0083	-178.252	.4024	.0135	2.714
	.973				.1497	.0093	177.736			
	.990	-.0092	.0062	178.212						
ETA = .875	.084	-1.1319	.0082	159.683						
	.143	-1.1256	.0139	156.771						
	.202									
	.301									
	.407	-.8863	.0175	166.706						
	.513									
	.680	-.2267	.0265	-144.504						
	.830	-.1558	.0381	-159.938						
ETA = .981	.160				-.3119	.0138	-9.876			

Table 4. Continued

UNSTEADY PRESSURES -				TDT TEST 367						
POINT NUMBER	989	MACH = .799 Q = 103.986 PSF DELTA (MEAN) = -.249 DEG	RN = .643*10E6 GAMMA = 1.400 DELTA (AMPL) = 3.024 DEG	H = 354.175 PSF P = 232.500 PSF OSCILLATION FREQUENCY = 14.990 HZ	ALPHA = 1.999 DEG CPSTAR = -.437 K = .197					
ANALYZED VALUES :		DELTA (MEAN) = -.062 DEG	DELTA (AMPL) = 2.975 DEG	OSCILLATION FREQUENCY = 15.010 HZ	K = .197					
	X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-1.1132	.0024	90.209	-.0860	.0075	-25.379	1.1992	.0088	-39.608
	.087	-1.0862	.0063	156.822	-.0955	.0065	-6.904	.9907	.0127	-14.913
	.148	-1.0581	.0071	165.073	-.1378	.0056	-20.743	.9203	.0127	-17.491
	.209	-1.0042	.0062	149.932	-.1578	.0071	-25.711	.8464	.0133	-27.742
	.294	-.9849	.0052	136.557	-.2001	.0071	-23.573	.7848	.0121	-31.958
	.350	-.9863	.0069	131.805	-.2302	.0062	-28.387	.7561	.0129	-38.825
	.407	-.9650	.0124	136.554	-.2313	.0061	-12.242	.7436	.0179	-33.276
	.463	-.9156	.0282	139.129	-.2297	.0078	-5.299	.6359	.0348	-33.388
	.519	-.8849	.0089	127.465	-.1917	.0074	-14.711	.6032	.0154	-35.429
	.579	-.8905	.0162	139.565	-.1375	.0070	-17.136	.7531	.0228	-33.460
	.639	-.5262	.0129	145.404	-.0580	.0085	-10.214	.4682	.0807	-32.105
	.699	-.3202	.0121	108.220	-.189	.0063	-16.153	.5392	.0138	44.725
	.759	-.2963	.0069	138.036	-.1624	.0046	-10.818	.6388	.0104	21.241
	.819	-.1240	.0033	127.951	-.1109	.0026	-27.368	.5350	.0046	17.968
	.874									
	.930									
	.990	.0752	.0014	-83.376	.2891	.0012	4.066			
ETA = .871	.025	-1.0312	.0085	125.544	-.1247	.0183	-24.685	1.1559	.0260	-34.019
	.084	-1.1276	.0080	131.389	-.0608	.0150	-19.400	1.0668	.0223	-39.471
	.143	-1.1051	.0101	141.830	-.1125	.0138	-20.509	.9926	.0239	-32.323
	.202	-1.0792	.0113	125.134	-.1729	.0209	-20.362	.9063	.0315	-28.910
	.261	-1.0127	.0362	167.439	-.2568	.0256	-1.940	.7559	.0615	-7.754
	.320	-.9300	.0285	168.185	-.2114	.0279	-1.157	.7186	.0561	-6.048
	.379	-.9534	.0086	140.955	-.2326	.0328	3.213	.7208	.0394	-3.545
	.438	-.9159	.0408	169.884	-.2342	.0423	3.229	.6818	.0825	-3.323
	.497	-.7358	.2359	175.009	-.1798	.0439	3.265	.5360	.2794	-3.657
	.556	-.4331	.2448	176.554	-.1596	.0451	9.975	.5360	.2689	-1.615
	.615	-.2301	.0433	154.251	-.1409	.0916	1.608	.0892	.1318	-7.778
	.674	-.1773	.0683	170.322	-.1492	.0899	1.599	.4388	.1574	3.267
	.733	-.1627	.0462	178.067	-.3358	.0396	6.257	.4388	.0856	-1.846
	.792	-.0294	.0179	174.024	-.3919	.0246	1.972	.4213	.0424	1.954
	.851				.2849	.0115	.820			
	.910									
	.970	.0961	.0010	-145.168						
ETA = .972	.025	-1.0742	.0157	162.241	.0210	.0246	-5.503	1.0952	.0401	-10.273
	.082	-1.1270	.0405	167.898	-.1634	.0215	-1.927	.9637	.0618	-8.577
	.141				-.2227	.0211	-3.295			
	.200	-1.0176	.0348	172.128						
	.259	-.9944	.0274	171.892	-.3309	.0183	-8.209	.6635	.0457	-8.148
	.318	-.7572	.1058	169.959	-.3169	.0190	-2.319	.4403	.1244	-8.168
	.377	-.4777	.0929	168.579	-.2852	.0219	12.392	.1925	.1133	-6.944
	.436	-.3167	.0460	174.933	-.2392	.0235	7.479	.0776	.0691	-1.832
	.495	-.2711	.0174	161.334	-.2223	.0223	5.278	.0362	.0394	11.142
	.554	-.2765	.0205	150.432	-.2002	.0208	8.118	.0763	.0406	18.764
	.613	-.2916	.0229	158.951	-.1668	.0189	9.226	.1248	.0416	15.705
	.672	-.2644	.0335	170.521	-.0747	.0085	18.942	.3391	.0419	11.390
	.731	-.2273	.0326	171.452	-.2074	.0076	151.575	.4347	.0269	18.324
	.790	-.1816	.0345	178.937	-.2841	.0091	168.280	.4657	.0256	2.704
	.849	-.1242	.0326	178.475	-.2784	.0136	170.707	.4027	.0192	3.964
	.908				.1505	.0125	177.548			
	.967									
	.990	-.0093	.0099	-170.245						
ETA = .875	.084	-1.1326	.0130	159.841						
	.143	-1.1275	.0202	155.045						
	.202									
	.261	-.8858	.0250	161.761						
	.320									
	.379	-.2293	.0459	-146.371						
	.438	-.1532	.0594	-162.990						
ETA = .981	.160				-.3103	.0185	-4.819			

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367										
POINT NUMBER 990	MACH = .799	RN = .643*10E6	H = 354.400 PSF	ALPHA = 1.999 DEG						
	Q = 104.034 PSF	GAMMA = 1.400	P = 232.675 PSF	CPSTAR = -.437						
	DELTA (MEAN) = -.109 DEG	DELTA (AMPL) = 1.022 DEG	OSCILLATION FREQUENCY = 20.000 HZ	K = .263						
ANALYZED VALUES :	DELTA (MEAN) = .060 DEG	DELTA (AMPL) = 1.004 DEG	OSCILLATION FREQUENCY = 19.995 HZ	K = .263						
	X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-1.1146	.0019	-9.257	.0841	.0015	-93.074	1.1988	.0023	-148.633
	.087	-1.0915	.0020	90.252	-.0936	.0012	-61.349	.9979	.0031	-79.168
	.148	-1.0574	.0009	105.460	-.1409	.0011	-70.781	.9165	.0020	-72.473
	.209	-1.0090	.0016	81.523	-.1553	.0012	-44.925	.8537	.0025	-75.824
	.294	-.9843	.0009	39.891	-.2023	.0019	-79.663	.7819	.0025	-98.133
	.350	-.9900	.0021	90.361	-.2303	.0010	-69.414	.7597	.0031	-83.123
	.407	-.9673	.0013	141.344	-.2211	.0024	-62.158	.7462	.0036	-83.123
	.463	-.9147	.0147	161.766	-.2326	.0026	-25.329	.6821	.0173	-159.396
	.519	-.8869	.0023	107.829	-.1908	.0017	-53.591	.5921	.0039	-164.285
	.579	-.8939	.0042	134.959	-.1376	.0020	-1.813	.5563	.0058	-130.355
	.659	-.5204	.0258	136.347	-.0576	.0040	-26.195	.4628	.0296	-41.332
	.739	-.3191	.0060	-119.388	.2178	.0012	-81.683	.5569	.0051	52.344
	.819	-.2969	.0039	-138.216	.3624	.0015	-10.135	.6593	.0052	32.139
	.899	-.1251	.0020	-160.229	.4126	.0011	-10.135	.5377	.0030	9.232
	.974									
	.990	.0751	.0013	-80.185	.2889	.0006	-86.946			
ETA = .871	.025	-1.0327	.0014	74.531	.1252	.0050	-66.075	1.1578	.0061	-74.386
	.084	-1.1275	.0017	110.139	-.0607	.0025	-54.462	1.0668	.0042	-60.686
	.143	-1.1057	.0016	49.653	-.1118	.0031	-47.009	.9939	.0036	-72.819
	.202	-1.0815	.0023	121.111	-.1727	.0044	-27.899	.9088	.0065	-38.427
	.301	-1.0123	.0101	163.350	-.2590	.0079	-8.823	.7534	.0180	-13.217
	.354	-.9284	.0086	157.283	-.2087	.0084	-8.766	.7197	.0169	-15.824
	.407	-.9546	.0012	140.984	-.2314	.0106	-6.591	.7232	.0116	-9.762
	.460	-.9324	.0016	140.270	-.2309	.0130	4.917	.7015	.0142	-3.70
	.513	-.8012	.0805	176.360	-.1748	.0152	2.854	.6264	.0956	-2.610
	.566	-.3859	.0841	172.364	-.1580	.0145	10.796	.2279	.0980	-4.954
	.680	-.2365	.0151	-146.079	-.1589	.0271	-1.402	.0775	.0404	11.086
	.742	-.1809	.0232	-169.242	.1647	.0270	-2.103	.3456	.0499	3.839
	.830	-.1667	.0137	-176.626	.3977	.0121	-8.473	.5045	.0257	-2.192
	.910	-.0311	.0048	-164.535	.3992	.0063	6.550	.4304	.0111	10.395
	.975									
	.990	.0985	.0009	-116.138	.2843	.0042	-20.887			
ETA = .972	.025	-1.0794	.0029	125.591	.0226	.0061	-14.402	1.1020	.0085	-27.030
	.092	-1.1330	.0129	167.480	-.1620	.0054	-17.770	.9711	.0183	-14.068
	.126				-.2231	.0068	-14.922			
	.160	-1.0197	.0084	161.664	-.3292	.0047	-11.472	.6724	.0105	-20.224
	.227	-1.0016	.0059	152.814	-.3213	.0067	-2.933	.4389	.0371	-9.188
	.294	-.7603	.0304	169.436	-.2832	.0062	6.351	.2033	.0327	-13.303
	.362	-.4865	.0269	162.251	-.2394	.0080	4.038	.0736	.0206	-5.220
	.430	-.3151	.0128	169.009	-.2332	.0067	2.767	.0386	.0141	11.517
	.497	-.2718	.0075	-160.673	-.1981	.0068	5.191	.0806	.0138	22.238
	.565	-.2087	.0076	-142.556	-.1650	.0057	7.761	.1288	.0142	13.608
	.632	-.2937	.0085	-162.474	.0767	.0043	10.705	.3440	.0149	14.048
	.700	-.2673	.0106	-164.596	.2081	.0019	159.437	.4367	.0086	14.398
	.767	-.2289	.0102	-171.730	.2851	.0027	161.235	.4678	.0078	8.527
	.835	-.1827	.0103	-178.376	.2777	.0040	167.063	.4030	.0073	8.106
	.902	-.1253	.0111	-179.329	.1472	.0033	-173.947			
	.973									
	.990	-.0093	.0017	-175.548						
ETA = .875	.084	-1.1305	.0021	112.259						
	.143	-1.1317	.0043	122.437						
	.202									
	.301	-.8830	.0048	142.860						
	.407									
	.513	-.2332	.0157	-142.320						
	.680	-.1595	.0229	-154.358						
	.830									
ETA = .981	.160				-.3117	.0044	-28.325			

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367										
POINT NUMBER 991	MACH = .799	RN = .643*10E6	H = 354.525 PSF	ALPHA = 1.999 DEG						
	Q = 104.041 PSF	GAMMA = 1.400	P = 232.800 PSF	CPSTAR = -.437						
	DELTA (MEAN) = .019 DEG	DELTA (AMPL) = 2.020 DEG	OSCILLATION FREQUENCY = 19.960 HZ	K = .262						
ANALYZED VALUES :	DELTA (MEAN) = .191 DEG	DELTA (AMPL) = 2.018 DEG	OSCILLATION FREQUENCY = 20.010 HZ	K = .263						
	X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-1.1147	.0025	21.319	.0841	.0037	-61.689	1.1988	.0042	-97.846
	.087	-1.0890	.0024	115.183	-.0964	.0042	-54.356	.9925	.0066	-58.156
	.148	-1.0552	.0020	111.669	-.1399	.0044	-51.798	.9153	.0063	-56.946
	.209	-1.0066	.0021	153.269	-.1566	.0046	-22.804	.8500	.0067	-24.034
	.294	-.9831	.0007	-145.638	-.2012	.0038	-20.924	.7818	.0042	-24.120
	.350	-.9878	.0004	89.804	-.2308	.0042	-15.573	.7570	.0043	-23.691
	.407	-.9650	.0025	135.646	-.2214	.0037	-25.813	.7435	.0061	-23.274
	.463	-.9119	.0149	154.216	-.2341	.0056	-12.238	.6779	.0204	-22.095
	.519	-.8852	.0022	86.362	-.1908	.0052	-6.182	.6944	.0057	-22.714
	.579	-.8922	.0034	140.657	-.1371	.0051	-12.027	.7550	.0083	-22.903
	.659	-.5260	.0376	123.937	-.0576	.0083	-6.858	.4684	.0433	-17.753
	.739	-.3212	.0089	-154.132	-.2173	.0041	-15.496	.5385	.0123	-1.107
	.819	-.2967	.0051	-157.335	-.3609	.0042	-14.978	.6577	.0088	5.733
	.899	-.1264	.0029	-152.909	.4136	.0021	-31.733	.5400	.0044	2.833
	.974				.2873	.0029	-41.183			
	.990	.0761	.0005	-61.154						
ETA = .871	.025	-1.0276	.0031	115.990	.1231	.0105	-36.390	1.1507	.0133	-42.582
	.084	-1.1255	.0037	121.055	-.0598	.0076	-29.926	1.0657	.0110	-39.332
	.143	-1.1022	.0039	117.202	-.1116	.0084	-32.414	.9905	.0119	-41.933
	.202	-1.0793	.0045	133.834	-.1715	.0148	-24.904	.9080	.0191	-29.815
	.301	-1.0115	.0185	159.524	-.2593	.0191	-4.963	.7522	.0373	-12.595
	.354	-.9286	.0165	163.510	-.2064	.0190	-3.101	.7222	.0383	-9.322
	.407	-.9526	.0027	147.010	-.2305	.0228	-.540	.7221	.0251	-3.846
	.460	-.9306	.0067	141.782	-.2290	.0281	3.328	.7017	.0334	-4.315
	.513	-.7862	.1312	171.961	-.1734	.0297	3.047	.6129	.1604	-5.999
	.566	-.4107	.1563	169.258	-.1558	.0300	8.936	.2549	.1848	-7.609
	.680	-.2374	.0308	-154.226	-.1448	.0636	-3.633	.0926	.0917	5.861
	.742	-.1841	.0471	-169.940	.1648	.0542	-2.109	.3489	.1007	3.547
	.830	-.1695	.0281	-177.735	.3414	.0245	-7.568	.5109	.0524	-2.314
	.910	-.0324	.0113	-166.989	.4004	.0147	-.592	.4328	.0259	5.986
	.975				.2864	.0078	-2.649			
	.990	.0987	.0016	-93.242						
ETA = .972	.025	-1.0785	.0088	148.112	.0232	.0148	-23.968	1.1017	.0235	-26.920
	.092	-1.1329	.0212	161.739	-.1633	.0140	-14.160	.9696	.0352	-16.630
	.126				-.2224	.0120	-13.739			
	.160	-1.0198	.0179	159.282	-.3302	.0119	-10.789	.6682	.0239	-20.966
	.227	-.9984	.0124	149.271	-.3186	.0138	-1.172	.4464	.0702	-14.201
	.294	-.7650	.0568	162.659	-.2839	.0160	8.810	.2007	.0656	-14.686
	.362	-.4846	.0513	158.171	-.2360	.0153	8.593	.0785	.0392	-4.900
	.430	-.3145	.0246	166.756	-.2340	.0147	6.808	.0381	.0282	11.549
	.497	-.2721	.0136	-163.327	-.1975	.0139	12.157	.0841	.0283	21.238
	.565	-.2816	.0147	-150.179	-.1653	.0125	17.345	.1297	.0285	20.177
	.632	-.2950	.0160	-157.610	.0762	.0070	14.416	.3468	.0284	11.349
	.700	-.2707	.0214	-169.653	.2062	.0053	142.526	.4368	.0168	20.688
	.767	-.2305	.0201	-172.257	.2852	.0051	157.106	.4712	.0166	5.890
	.835	-.1860	.0212	179.238	.2753	.0076	158.343	.4031	.0137	14.844
	.902	-.1278	.0203	-178.024	.1471	.0087	165.073			
	.973									
	.990	-.0097	.0050	-161.065						
ETA = .875	.084									
	.143	-1.1281	.0047	142.587						
	.202	-1.1313	.0100	133.930						
	.301									
	.407	-.8775	.0125	146.332						
	.513									
	.680	-.2312	.0380	-140.998						
	.830	-.1604	.0433	-161.918						
ETA = .981	.160				-.3116	.0133	-13.982			

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367

POINT NUMBER 992

MACH = .800
 Q = 104.205 PSF
 DELTA (MEAN) = -.106 DEG
 RN = .643*10E6
 GAMMA = 1.400
 DELTA (AMPL) = 3.026 DEG

H = 354.700 PSF
 P = 232.750 PSF
 OSCILLATION FREQUENCY = 20.000 HZ
 ALPHA = 1.999 DEG
 CPSTAR = -.435
 K = .263

ANALYZED VALUES : DELTA (MEAN) = .069 DEG DELTA (AMPL) = 2.960 DEG OSCILLATION FREQUENCY = 19.990 HZ K = .262

	X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-1.1206	.0028	8.646	.0858	.0036	-23.686	1.2065	.0019	-74.194
	.087	-1.0944	.0041	173.108	-.0954	.0033	-20.614	.9989	.0073	-13.007
	.148	-1.0597	.0021	104.001	-.1402	.0040	-26.514	.9185	.0056	-43.088
	.209	-1.0093	.0022	98.770	-.1563	.0050	-38.223	.8530	.0069	-51.436
	.294	-.9874	.0025	70.576	-.2001	.0046	-44.472	.7843	.0061	-66.287
	.350	-.9874	.0028	58.840	-.2311	.0033	-18.686	.7563	.0038	-64.094
	.407	-.9874	.0034	98.838	-.2210	.0058	-12.311	.7387	.0077	-36.819
	.463	-.9036	.0173	143.953	-.2358	.0063	-8.669	.6678	.0231	-28.835
	.519	-.8800	.0052	61.333	-.1918	.0072	-19.445	.6882	.0082	-58.321
	.579	-.8844	.0085	116.186	-.1371	.0063	-17.716	.7474	.0136	-44.384
	.659	-.4879	.0538	120.300	-.0607	.0096	-12.152	.4272	.0607	-52.998
	.739	-.3341	.0125	-153.562	.2151	.0037	-21.051	.5492	.0152	16.132
	.819	-.3042	.0076	-168.266	.3603	.0029	-21.432	.6645	.0102	2.744
	.899	-.1284	.0048	-171.798	.4133	.0037	-10.672	.5418	.0084	-.003
	.974				.2864	.0029	-1.121			
	.990	.0760	.0020	-149.766						
ETA = .871	.025	-1.0332	.0043	109.720	.1258	.0128	-42.176	1.1590	.0167	-49.136
	.084	-1.1302	.0039	80.985	-.0582	.0100	-32.160	1.0720	.0121	-49.433
	.143	-1.1068	.0028	100.261	-.1101	.0098	-33.350	.9967	.0119	-43.154
	.202	-1.0822	.0053	107.191	-.1713	.0173	-22.613	.9109	.0211	-33.744
	.301	-1.0092	.0262	155.874	-.2603	.0249	-8.182	.7488	.0506	-16.358
	.354	-.9277	.0215	155.402	-.2070	.0267	-3.787	.7207	.0474	-13.058
	.407	-.9562	.0059	113.647	-.2317	.0308	-.103	.7245	.0336	-9.162
	.460	-.9169	.0300	158.349	-.2317	.0382	-.924	.6852	.0671	-10.028
	.513	-.7172	.2218	168.852	-.1747	.0413	4.129	.5425	.2619	-8.767
	.566	-.3984	.1867	169.761	-.1576	.0434	11.616	.2408	.2276	-6.168
	.680	-.2410	.0490	-156.145	-.1366	.0901	-2.059	.1044	.1359	7.009
	.742	-.1848	.0713	-171.960	.1534	.0834	-2.966	.3382	.1540	2.105
	.830	-.1693	.0445	178.595	.3383	.0361	-10.903	.5076	.0803	-5.658
	.910	-.0338	.0169	176.705	.3987	.0208	-5.646	.4325	.0377	-4.592
	.975				.2859	.0116	-14.022			
	.990	.0978	.0013	-41.248						
ETA = .972	.025	-1.0825	.0101	152.981	.0226	.0188	-13.770	1.1051	.0287	-18.392
	.092	-1.1284	.0336	161.416	-.1657	.0186	-8.855	.9627	.0520	-15.120
	.126				-.2224	.0166	-9.812			
	.160	-1.0202	.0251	159.685						
	.227	-.9995	.0188	152.421	-.3296	.0152	-16.228	.6699	.0338	-22.507
	.294	-.7450	.0888	161.868	-.3188	.0181	-.967	.4262	.1061	-14.931
	.362	-.4726	.0715	158.028	-.2837	.0204	11.273	.1888	.0893	-14.774
	.430	-.3113	.0335	167.350	-.2369	.0210	11.274	.0744	.0534	-3.470
	.497	-.2739	.0195	-157.970	-.2356	.0207	9.867	.0383	.0400	15.766
	.565	-.2845	.0231	-152.765	-.1995	.0200	7.878	.0849	.0425	18.259
	.632	-.2974	.0269	-165.368	-.1670	.0184	7.963	.1304	.0452	11.924
	.700	-.2700	.0323	-170.640	-.0743	.0088	27.832	.3444	.0407	13.284
	.767	-.2311	.0301	-169.818	.2057	.0088	143.384	.4368	.0249	25.101
	.835	-.1863	.0308	176.950	.2851	.0089	152.013	.4714	.0230	6.325
	.902	-.1281	.0307	-179.628	.2752	.0099	163.440	.4033	.0214	8.106
	.973				.1470	.0108	173.313			
	.990	-.0082	.0108	177.216						
ETA = .875	.084	-1.1309	.0067	126.400						
	.143	-1.1353	.0134	126.478						
	.202									
	.301	-.8784	.0162	139.659						
	.407									
	.513	-.2389	.0586	-151.186						
	.680	-.1565	.0660	-164.421						
	.830									
ETA = .981	.160				-.3109	.0156	-7.724			

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367

POINT NUMBER 993

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MACH = .803 RN = .645*10E6
Q = 104.790 PSF GAMMA = 1.400
DELTA (MEAN) = -.025 DEG DELTA (AMPL) = 1.079 DEG

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H = 355.125 PSF ALPHA = .005 DEG
P = 232.350 PSF CPSTAR = -.427
OSCILLATION FREQUENCY = 5.021 HZ K = .066

ANALYZED VALUES : DELTA (MEAN) = .152 DEG DELTA (AMPL) = 1.054 DEG OSCILLATION FREQUENCY = 5.024 HZ K = .066

	X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-.8127	.0077	9.252	-.2402	.0062	-165.677	.5725	.0139	-168.486
	.087	-.6326	.0043	7.306	-.3345	.0050	-174.095	.2981	.0093	-173.447
	.148	-.6710	.0062	20.489	-.3507	.0046	-161.708	.3203	.0108	-169.239
	.209	-.6118	.0038	-2.548	-.3142	.0031	-137.047	.2976	.0064	-162.233
	.294	-.6416	.0039	3.995	-.3323	.0020	-133.333	.3093	.0055	-168.041
	.350	-.6530	.0032	3.900	-.3500	.0015	-150.534	.3030	.0046	-168.008
	.407	-.6613	.0039	38.082	-.3201	.0021	-123.939	.3412	.0059	-133.646
	.463	-.6716	.0101	71.962	-.3249	.0021	-93.677	.3467	.0121	-103.144
	.519	-.6731	.0037	-178.841	-.2794	.0023	-70.610	.3933	.0049	-70.917
	.579	-.6731	.0023	102.298	-.2296	.0020	-63.109	.4435	.0043	-33.520
	.659	-.6337	.0028	82.932	.0531	.0054	-5.889	.6868	.0060	-3.488
	.739	-.5565	.0050	179.368	.1904	.0014	42.961	.7469	.0061	1.130
	.819	-.3372	.0153	-167.398	.3513	.0005	176.759	.6884	.0148	3.660
	.899	-.1336	.0023	-163.089	.4033	.0010	-28.155	.5369	.0031	
	.974				.2840	.0012	-6.404			
	.990	.0808	.0010	-98.515						
ETA = .871	.025	-.6440	.0127	1.977	-.1973	.0090	-163.140	.4467	.0215	-171.857
	.084	-.6752	.0090	-1.801	-.2930	.0045	-148.371	.3822	.0130	-170.802
	.143	-.6374	.0082	6.874	-.2915	.0027	-95.922	.3459	.0092	-156.464
	.202	-.6402	.0049	13.395	-.3299	.0034	-159.795	.3103	.0025	-123.964
	.301	-.6444	.0069	115.991	-.3841	.0074	-6.348	.2603	.0117	-2.418
	.354	-.6606	.0073	144.694	-.3119	.0072	-1.208	.2488	.0139	-18.378
	.407	-.6827	.0078	153.459	-.3239	.0113	-2.221	.2788	.0185	-6.744
	.460	-.6980	.0149	170.997	-.3007	.0147	-2.441	.2973	.0296	3.744
	.513	-.6916	.0181	171.015	-.2395	.0155	6.538	.3521	.0336	7.857
	.566	-.6192	.0223	176.606	-.3222	.0113	7.923	.2870	.0336	4.917
	.680	-.4753	.0365	179.639	.0211	.0579	3.343	.4963	.0944	1.911
	.742	-.3437	.1150	179.229	.1520	.0129	.232	.4957	.1352	6.694
	.830	-.1848	.0220	178.189	.3386	.0179	-8.221	.5234	.0397	-2.688
	.910	-.0578	.0062	176.340	.4121	.0118	-2.130	.4699	.0180	-2.657
	.975				.3054	.0072	5.844			
	.990	.1149	.0030	19.724						
ETA = .972	.025	-.7403	.0096	30.881	-.2823	.0035	-106.250	.4580	.0124	-138.045
	.092	-.6846	.0032	42.900	-.3567	.0026	-42.041	.3279	.0039	-96.018
	.126				-.3840	.0035	-24.484			
	.160	-.7370	.0049	162.511		.0039		.2179	.0102	-11.683
	.227	-.6199	.0067	156.127	-.4020	.0039	9.585	.2112	.0175	-7.125
	.294	-.5692	.0126	170.146	-.3580	.0050	2.356	.0165	.0140	7.781
	.362	-.3392	.0081	164.135	-.3127	.0061	-2.981	.0165	.0187	3.708
	.430	-.3362	.0095	175.685	-.2512	.0092	11.016	.1107	.0220	1.945
	.497	-.33606	.0130	179.549	-.2574	.0090	7.563	.1032	.0178	3.360
	.565	-.33227	.0124	178.403	-.2295	.0055	9.953	.1032	.0178	1.560
	.632	-.33226	.0146	179.235	-.0796	.0201	1.138	.2530	.0347	1.554
	.700	-.28998	.0113	177.077	.0915	.0016	-16.414	.3813	.0128	17.057
	.767	-.2287	.0096	167.328	.2290	.0012	54.761	.4577	.0105	21.820
	.835	-.1747	.0078	172.427	.3126	.0025	151.661	.4873	.0060	8.381
	.902	-.1094	.0065	176.496	.3067	.0035	165.894	.4161	.0031	
	.973				.1750	.0043	179.083			
	.990	.0316	.0033	-172.556						
ETA = .875	.084									
	.143	-.6531	.0074	19.913						
	.202	-.6960	.0029	29.043						
	.301									
	.407	-.5052	.0083	154.466						
	.513									
	.680	-.4783	.0314	-179.338						
	.830	-.1734	.0196	-170.182						
ETA = .981	.160				-.4045	.0051	-29.070			

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367

POINT NUMBER 995

MACH = .800
 Q = 104.423 PSF
 DELTA (MEAN) = -.061 DEG

RN = .644*10E6
 GAMMA = 1.400
 DELTA (AMPL) = 2.022 DEG

H = 355.225 PSF
 P = 233.000 PSF
 OSCILLATION FREQUENCY = 5.021 HZ

ALPHA = -.005 DEG
 CPSTAR = -.434
 K = .066

ANALYZED VALUES : DELTA (MEAN) = .098 DEG DELTA (AMPL) = 1.975 DEG OSCILLATION FREQUENCY = 5.024 HZ K = .066

	X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-.8211	.0158	-.923	-.2338	.0120	-175.403	.5873	.0278	-178.541
	.087	-.6378	.0100	-.450	-.3306	.0084	-171.126	.3073	.0184	-175.703
	.148	-.6694	.0125	4.709	-.3479	.0065	-172.988	.3214	.0190	-174.503
	.209	-.6137	.0100	6.454	-.3131	.0049	-163.870	.3006	.0149	-170.367
	.294	-.6416	.0086	16.450	-.3291	.0021	-153.177	.3125	.0107	-161.520
	.350	-.6555	.0049	18.273	-.3501	.0011	-41.733	.3054	.0045	-149.374
	.407	-.6647	.0028	52.794	-.3204	.0011	-71.927	.3442	.0035	-122.423
	.463	-.6749	.0113	59.068	-.3273	.0009	-138.400	.3475	.0022	-122.205
	.519	-.6724	.0043	144.625	-.2829	.0007	-93.184	.3895	.0047	-42.600
	.579	-.6744	.0008	-146.478	-.2309	.0012	-78.831	.3835	.0012	-39.274
	.659	-.6343	.0012	102.384	-.0483	.0060	-11.888	.4435	.0066	-21.182
	.739	-.5454	.0111	166.873	-.1827	.0021	11.823	.6825	.0130	-9.230
	.819	-.3381	.0210	176.209	.3452	.0026	11.823	.7281	.0236	-3.699
	.899	-.1282	.0011	171.549	.3970	.0025	-28.836	.6823	.0036	-22.713
	.974				.2810	.0018	28.724	.5252		
	.990	.0879	.0016	154.319						
ETA = .871	.025	-.6499	.0212	4.051	-.1953	.0130	-169.024	.4546	.0341	-173.318
	.084	-.6801	.0155	5.105	-.2925	.0049	-149.846	.3876	.0200	-168.955
	.143	-.6414	.0149	13.098	-.2900	.0032	-149.846	.3514	.0166	-157.015
	.202	-.6437	.0063	30.896	-.3325	.0051	-103.931	.3113	.0060	-100.355
	.301	-.6405	.0073	127.889	-.3905	.0145	-32.170	.2500	.0201	-19.301
	.354	-.5531	.0072	145.387	-.3163	.0162	-32.828	.2368	.0227	-13.176
	.407	-.6007	.0099	152.266	-.3293	.0212	-2.302	.2713	.0304	-10.331
	.460	-.5502	.0253	175.331	-.3085	.0272	-2.018	.2816	.0525	-3.296
	.513	-.5829	.0371	-178.712	-.2427	.0294	4.261	.3403	.0665	2.603
	.566	-.5068	.0436	-177.502	-.2308	.0243	1.233	.2759	.0679	2.045
	.680	-.4545	.0762	178.152	.0041	.1129	1.623	.4586	.1890	.224
	.742	-.3325	.1789	179.885	.1583	.0407	1.437	.4818	.2196	.358
	.830	-.1948	.0588	176.279	.3463	.0319	-2.437	.5410	.0907	-3.269
	.910	-.0568	.0168	172.450	.4204	.0206	-1.803	.4773	.0373	-3.503
	.975				.3115	.0129	-1.854			
	.990	.1165	.0039	-1.458						
ETA = .972	.025	-.7465	.0186	30.726	-.2880	.0060	-112.172	.4585	.0237	-140.476
	.092	-.6860	.0083	46.480	-.3617	.0050	-39.414	.3242	.0094	-101.393
	.126				-.3870	.0076	-26.355			
	.160	-.7290	.0122	162.729				.2022	.0190	-16.318
	.227	-.6085	.0095	158.271	-.4063	.0096	-10.963	.1888	.0351	-7.939
	.294	-.6487	.0211	166.451	-.3511	.0128	8.728	.0205	.0276	10.365
	.362	-.3320	.0148	-168.220	-.3559	.0157	1.145	.1162	.0344	1.194
	.430	-.3397	.0187	-178.765	-.2823	.0151	3.132	.1064	.0381	1.429
	.497	-.3390	.0230	-177.719	-.2866	.0131	3.186	.1061	.0369	2.105
	.565	-.3330	.0238	-178.390	-.2866	.0138	6.286	.2500	.0650	5.483
	.632	-.2947	.0262	-175.507	-.0984	.0035	7.411	.3813	.0257	4.815
	.700	-.2910	.0222	-175.594	-.2259	.0013	102.880	.4621	.0184	6.242
	.767	-.2326	.0186	-177.339	-.3148	.0028	161.368	.4927	.0141	4.913
	.835	-.1788	.0169	-178.927	.3039	.0056	173.089	.4195	.0075	9.847
	.902	-.1157	.0130	-177.288	.1720	.0058	172.925			
	.973									
	.990	.0265	.0051	173.005						
ETA = .875	.084	-.6521	.0132	23.396						
	.143	-.6969	.0083	31.228						
	.202									
	.301	-.5005	.0134	173.040						
	.407									
	.513	-.4600	.0717	178.126						
	.680	-.1823	.0553	-175.598						
	.830									
ETA = .981	.160				-.4073	.0090	-6.015			

Table 4. Continued

U N S T E A D Y P R E S S U R E S - TDT TEST 367									
POINT NUMBER 996		MACH = .801		RN = .644*10E6		H = 355.450 PSF		ALPHA = .005 DEG	
		Q = 104.590 PSF		GAMMA = 1.400		P = 233.000 PSF		CPSTAR = -.432	
		DELTA (MEAN) = -.194 DEG		DELTA (AMPL) = 3.005 DEG		OSCILLATION FREQUENCY = 5.010 HZ		K = .066	
ANALYZED VALUES :		DELTA (MEAN) = .041 DEG		DELTA (AMPL) = 2.941 DEG		OSCILLATION FREQUENCY = 5.019 HZ		K = .066	
X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-.8202	.0252	1.968	-.2413	.0187	-176.855	.5789	.0439
	.087	-.6387	.0141	8.039	-.3370	.0126	-172.981	.3017	.0267
	.148	-.6713	.0189	7.171	-.3532	.0101	-170.917	.3181	.0290
	.209	-.6159	.0145	14.616	-.3174	.0082	-165.223	.2985	.0227
	.294	-.6448	.0138	13.161	-.3331	.0042	-178.338	.3117	.0179
	.350	-.6563	.0078	28.860	-.3544	.0031	-170.331	.3019	.0104
	.407	-.6619	.0051	24.608	-.3234	.0010	-159.102	.3385	.0061
	.463	-.6707	.0124	56.115	-.3295	.0013	-42.211	.3412	.0127
	.519	-.6715	.0078	143.869	-.2831	.0010	-150.852	.3884	.0074
	.579	-.6753	.0054	120.215	-.2304	.0016	-122.827	.4450	.0063
	.659	-.6370	.0049	108.533	.0497	.0081	-1.653	.6867	.0108
	.739	-.5521	.0147	155.453	.1860	.0013	6.561	.7382	.0158
	.819	-.3426	.0353	179.431	.3500	.0031	-1.809	.6926	.0384
	.899	-.1345	.0037	178.072	.4011	.0033	-20.342	.5355	.0069
	.974			.2810	.0020		-24.885		-10.604
	.990	.0776	.0030	169.339					
ETA = .871	.025	-.6399	.0323	4.767	-.1998	.0213	-167.906	.4400	.0535
	.084	-.6752	.0243	6.197	-.2936	.0078	-165.708	.3816	.0320
	.143	-.6370	.0211	12.250	-.2906	.0028	-119.631	.3464	.0231
	.202	-.6389	.0096	24.157	-.3329	.0065	-25.384	.3060	.0073
	.301	-.6414	.0138	118.070	-.3925	.0199	-3.470	.2489	.0296
	.354	-.5538	.0148	141.331	-.3140	.0219	-2.039	.2398	.0349
	.407	-.6047	.0158	144.317	-.3264	.0290	1.818	.2782	.0426
	.460	-.5964	.0357	174.451	-.3053	.0380	2.981	.2911	.0735
	.513	-.5921	.0540	179.469	-.2425	.0397	3.377	.3496	.0936
	.566	-.5152	.0628	-179.540	-.2337	.0346	4.075	.2815	.0974
	.680	-.4436	.1309	177.814	-.0216	.1624	.584	.4220	.2932
	.742	-.3150	.2296	179.851	.1505	.0586	.599	.4655	.2882
	.830	-.2140	.1094	176.228	.3361	.0479	-3.094	.5500	.1573
	.910	-.0593	.0254	176.754	.4144	.0297	-.877	.4737	.0551
	.975			.3067	.0205		-2.300		-1.969
	.990	.1132	.0045	-7.313					
ETA = .972	.025	-.7438	.0262	26.203	-.2867	.0086	-130.189	.4570	.0343
	.092	-.6898	.0120	48.309	-.3614	.0044	-54.200	.3285	.0136
	.126				-.3881	.0102	-16.759		-113.344
	.160	-.7376	.0190	156.114					
	.227	-.6204	.0161	153.182	-.4082	.0156	-4.583	.2122	.0311
	.294	-.5627	.0329	161.281	-.3646	.0214	-1.865	.1981	.0537
	.362	-.3382	.0231	-169.952	-.3194	.0204	2.263	.0188	.0434
	.430	-.3620	.0287	179.068	-.2525	.0224	4.357	.1095	.0510
	.497	-.3619	.0338	-178.818	-.2643	.0208	1.018	.0975	.0546
	.565	-.3365	.0349	-176.220	-.2368	.0174	5.367	.0998	.0523
	.632	-.3386	.0408	-177.129	-.0889	.0554	5.539	.2497	.0962
	.700	-.2926	.0339	-175.813	.0855	.0058	18.284	.3781	.0396
	.767	-.2341	.0303	-176.905	.2262	.0007	-122.071	.4603	.0299
	.835	-.1796	.0276	-179.827	.3117	.0055	173.504	.4913	.0221
	.902	-.1150	.0212	-178.843	.3007	.0090	178.851	.4158	.0122
	.973			.1690	.0080		173.358		2.856
	.990	.0272	.0100	-179.296					
ETA = .875	.084	-.6509	.0170	20.416					
	.143	-.6987	.0107	31.830					
	.202								
	.301	-.5021	.0217	165.891					
	.407								
	.513	-.4407	.1277	-179.040					
	.680	-.2000	.1135	-177.240					
	.830								
ETA = .981	.160				-.4085	.0116	-11.136		

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367

POINT NUMBER 997

MACH = .800
 $Q = 104.583$ PSF
 DELTA (MEAN) = -.035 DEG

RN = .644*10E6
 GAMMA = 1.400
 DELTA (AMPL) = 1.040 DEG

H = 355.625 PSF
 P = 233.200 PSF
 OSCILLATION FREQUENCY = 15.041 HZ

ALPHA = .005 DEG
 CPSTAR = -.433
 K = .197

ANALYZED VALUES : DELTA (MEAN) = .122 DEG DELTA (AMPL) = 1.021 DEG OSCILLATION FREQUENCY = 15.025 HZ K = .197

	X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-.8278	.0037	166.370	-.2319	.0042	6.984	.5959	.0078	-2.664
	.087	-.6412	.0010	-135.192	-.3287	.0050	-29.880	.3125	.0054	-19.498
	.143	-.6634	.0054	-174.469	-.3447	.0032	-61.585	.3187	.0073	-18.396
	.209	-.6103	.0044	150.372	-.3097	.0011	-19.769	.3006	.0055	-27.661
	.294	-.6321	.0040	135.482	-.3244	.0045	-8.435	.3077	.0081	-25.379
	.350	-.6491	.0023	-157.281	-.3479	.0046	-28.624	.3012	.0063	-12.055
	.407	-.6552	.0038	-160.637	-.3150	.0027	-55.977	.3401	.0052	-10.863
	.463	-.6615	.0135	149.165	-.3247	.0016	-61.740	.3368	.0149	-33.998
	.519	-.6563	.0020	122.688	-.2279	.0026	-15.945	.3784	.0043	-33.809
	.579	-.6606	.0037	-161.928	-.2227	.0044	-20.305	.4379	.0077	-2.839
	.659	-.6231	.0048	-175.224	-.0524	.0020	-55.449	.6754	.0060	-11.905
	.739	-.6363	.0075	161.952	.1861	.0006	9.949	.7224	.0080	-16.039
	.819	-.6411	.0023	176.996	.3526	.0024	6.213	.6937	.0047	1.703
	.899	-.6359	.0020	-95.320	.4027	.0038	-47.945	.5386	.0029	-16.909
	.974				.2820	.0019	-84.695			
	.990	.0807	.0025	-142.856						
ETA = .871	.025	-.6484	.0061	131.734	-.1898	.0100	-41.062	.4586	.0161	-43.790
	.084	-.6721	.0082	153.318	-.2843	.0066	-39.910	.3879	.0147	-32.578
	.143	-.6307	.0098	143.082	-.2805	.0049	-35.639	.3502	.0147	-36.491
	.202	-.6344	.0045	140.387	-.3242	.0094	-17.733	.3102	.0137	-24.775
	.301	-.6223	.0123	174.278	-.3849	.0129	-11.903	.2375	.0252	-8.866
	.354	-.6369	.0133	179.975	-.3046	.0102	-6.591	.2323	.0235	-2.874
	.407	-.6864	.0086	151.213	-.3189	.0131	7.006	.2775	.0207	-7.059
	.460	-.6904	.0135	174.744	-.2950	.0158	1.213	.2955	.0293	-1.67
	.513	-.6862	.0213	-167.038	-.2248	.0180	6.670	.3554	.0391	7.334
	.566	-.6020	.0271	-170.494	-.2343	.0136	6.337	.2777	.0407	8.447
	.680	-.4682	.0266	-176.815	.0178	.0453	2.939	.4860	.0719	3.030
	.742	-.6401	.0736	-177.800	.1541	.0214	3.037	.4942	.0950	3.388
	.830	-.6841	.0176	-179.067	.3412	.0149	-12.790	.5254	.0323	-5.555
	.910	-.6570	.0074	-171.388	.4192	.0085	-3.007	.4762	.0158	2.399
	.975				.3119	.0037	-1.880			
	.990	.1150	.0006	94.945						
ETA = .972	.025	-.7481	.0218	165.632	-.2796	.0125	-6.013	.4685	.0342	-11.325
	.092	-.6882	.0127	167.953	-.3536	.0114	2.471	.3346	.0239	-5.182
	.126				-.3770	.0124	-5.378			
	.160	-.7265	.0139	178.480						
	.227	-.6080	.0152	-177.879	-.3996	.0069	-13.246	.2084	.0219	-2.662
	.294	-.6399	.0212	176.681	-.3509	.0068	-17.261	.1830	.0278	-6.716
	.362	-.6432	.0019	-163.955	-.3124	.0072	14.286	.0308	.0091	14.653
	.430	-.6645	.0081	-164.703	-.2440	.0102	3.262	.1205	.0182	4.619
	.497	-.6301	.0113	-166.495	-.2583	.0090	-6.563	.1018	.0200	8.019
	.565	-.6360	.0132	-171.083	-.2310	.0068	6.793	.1051	.0200	8.195
	.632	-.6377	.0133	-175.710	-.0901	.0108	23.020	.2477	.0238	12.675
	.700	-.6294	.0101	-171.304	.0878	.0022	4.786	.3802	.0123	7.397
	.767	-.6331	.0091	-166.060	.2285	.0013	-47.855	.4616	.0098	7.621
	.835	-.6197	.0093	-172.648	.3145	.0039	-163.440	.4943	.0055	2.987
	.902	-.6152	.0075	169.001	.3007	.0037	153.653	.4158	.0041	2.987
	.973				.1697	.0017	-149.101			
	.990	.0305	.0018	177.577						
ETA = .875	.084	-.6453	.0074	161.950						
	.143	-.6984	.0067	169.872						
	.202									
	.301	-.4911	.0115	171.732						
	.407									
	.513									
	.680	-.4642	.0296	-173.689						
	.830	-.6677	.0216	-164.967						
ETA = .981	.160				-.3955	.0092	-20.228			

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367									
POINT NUMBER 998		MACH = .801		RN = .644*10E6		H = 355.850 PSF		ALPHA = .005 DEG	
		O = 104.699 PSF		GAMMA = 1.400		P = 233.275 PSF		CPSTAR = -.433	
		DELTA (MEAN) = -.116 DEG		DELTA (AMPL) = 2.009 DEG		OSCILLATION FREQUENCY = 15.021 HZ		K = .197	
ANALYZED VALUES :		DELTA (MEAN) = .035 DEG		DELTA (AMPL) = 1.979 DEG		OSCILLATION FREQUENCY = 15.025 HZ		K = .197	
X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-.8283	.0062	146.579	-.2338	.0073	-4.415	.5945	.0131
	.087	-.6405	.0055	151.552	-.3307	.0067	-9.403	.3099	.0120
	.148	-.6621	.0052	150.393	-.3460	.0056	-9.363	.3160	.0106
	.209	-.6105	.0047	145.620	-.3110	.0074	-15.615	.2995	.0119
	.294	-.6318	.0053	162.760	-.3556	.0065	-26.606	.3063	.0118
	.350	-.6500	.0047	177.606	-.3496	.0062	-21.910	.3004	.0107
	.407	-.6555	.0061	169.076	-.3165	.0045	-12.905	.3390	.0106
	.463	-.6613	.0163	149.196	-.3257	.0054	-6.443	.3356	.0213
	.519	-.6577	.0053	151.293	-.2791	.0045	5.471	.3786	.0094
	.579	-.6615	.0104	160.725	-.2238	.0061	-2.288	.4377	.0163
	.659	-.6239	.0086	149.387	.0500	.0053	12.520	.6739	.0130
	.739	-.5363	.0114	155.011	.1449	.0037	-14.576	.7212	.0151
	.819	-.3464	.0055	-137.421	.3523	.0034	-27.105	.6987	.0074
	.899	-.1356	.0021	-157.431	.4112	.0022	-50.326	.5368	.0035
	.974			.2812	.0009		-54.129		
	.990	.0790	.0024	-158.951					
ETA = .871	.025	-.6451	.0152	137.854	-.1916	.0172	-18.962	.4535	.0317
	.084	-.6715	.0130	135.302	-.2861	.0133	-16.994	.3854	.0255
	.143	-.6311	.0139	140.809	-.2807	.0122	-24.286	.3504	.0259
	.202	-.6320	.0108	140.694	-.3265	.0182	-17.306	.3056	.0285
	.301	-.6230	.0255	169.593	-.3881	.0247	-4.635	.2348	.0501
	.354	-.5362	.0349	173.098	-.3359	.0229	-1.311	.2303	.0477
	.407	-.5960	.0139	154.489	-.3193	.0267	.774	.2767	.0396
	.460	-.5900	.0316	177.795	-.2380	.0299	4.391	.2920	.0614
	.513	-.5848	.0413	-175.389	-.2354	.0327	5.834	.3494	.0740
	.566	-.4999	.0468	-173.219	-.2269	.0291	12.742	.2730	.0758
	.620	-.4606	.0555	-176.429	.0637	.0936	-.033	.4643	.1490
	.742	-.3261	.1394	-179.568	.1517	.0423	-.120	.4777	.1817
	.830	-.1881	.0418	-172.591	.3390	.0283	-10.542	.5271	.0701
	.910	-.0579	.0139	173.128	.4195	.0172	-5.551	.4774	.0311
	.975			.3115	.0091		-6.350		
	.990	.1137	.0022	-61.782					
ETA = .972	.025	-.7439	.0362	160.347	-.2842	.0248	-4.982	.4597	.0605
	.082	-.6876	.0225	162.426	-.3570	.0217	-4.165	.3306	.0439
	.126				-.3798	.0220	-8.456		
	.160	-.7257	.0256	171.907	-.4031	.0125	-11.955	.2053	.0397
	.227	-.6084	.0273	174.679	-.3608	.0166	-3.896	.1799	.0502
	.294	-.5407	.0337	170.420	-.3155	.0151	6.539	.0290	.0202
	.362	-.3444	.0067	-125.435	-.2458	.0166	9.042	.1187	.0360
	.430	-.3645	.0194	-176.363	-.2611	.0169	9.008	.1000	.0390
	.497	-.3611	.0222	-178.005	-.2334	.0153	12.679	.1038	.0361
	.565	-.3372	.0210	-178.089	-.0922	.0218	17.594	.2467	.0458
	.632	-.3390	.0243	-176.550	.0864	.0051	19.791	.3788	.0256
	.700	-.2924	.0206	-172.883	.2277	.0005	61.171	.4620	.0182
	.767	-.2343	.0179	-171.472	.3136	.0047	168.419	.4939	.0125
	.835	-.1804	.0169	-172.934	.2982	.0073	169.188	.4144	.0070
	.902	-.1162	.0136	-172.583	.1680	.0065	172.567		
	.973								
	.990	.0287	.0092	177.097					
ETA = .875	.084	-.6442	.0138	154.570					
	.143	-.6976	.0128	157.257					
	.202								
	.301	-.4891	.0250	169.227					
	.407								
	.513	-.4562	.0606	-178.270					
	.620	-.1699	.0471	-171.235					
	.830								
ETA = .981	.160								
					-.3980	.0163	-8.546		

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367

POINT NUMBER 999

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MACH = .800          RN = .643*10E6
Q = 104.492 PSF      GAMMA = 1.400
DELTA (MEAN) = -.201 DEG  DELTA (AMPL) = 3.005 DEG

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H = 355.800 PSF ALPHA = .005 DEG
P = 233.525 PSF CPSTAR = -.436
OSCILLATION FREQUENCY = 15.010 HZ K = .197

ANALYZED VALUES : DELTA (MEAN) = -.042 DEG DELTA (AMPL) = 2.968 DEG OSCILLATION FREQUENCY = 15.025 HZ K = .197

[illegible]

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367										
POINT NUMBER 1001	MACH = .799		RN = .643*10E6		H = 356.050 PSF		ALPHA = .005 DEG			
	Q = 104.456 PSF		GAMMA = 1.400		P = 233.850 PSF		CPSTAR = -.438			
	DELTA (MEAN) = -.055 DEG		DELTA (AMPL) = 1.027 DEG		OSCILLATION FREQUENCY = 20.040 HZ		K = .263			
ANALYZED VALUES :	DELTA (MEAN) = .111 DEG		DELTA (AMPL) = 1.002 DEG		OSCILLATION FREQUENCY = 20.055 HZ		K = .263			
	X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-.8314	.0029	98.892	-.2323	.0021	-82.353	.5992	.0050	-81.631
	.087	-.6418	.0019	110.230	-.3229	.0027	-72.124	.3123	.0046	-71.152
	.148	-.6518	.0028	89.986	-.3244	.0014	-65.766	.3145	.0041	-62.006
	.209	-.6108	.0023	99.986	-.3099	.0023	-44.963	.3009	.0044	-62.491
	.254	-.6228	.0021	101.245	-.3223	.0024	-56.927	.3053	.0044	-62.105
	.350	-.6400	.0026	102.084	-.3490	.0016	-20.708	.3291	.0037	-56.158
	.407	-.6559	.0020	120.084	-.3146	.0022	-36.483	.3374	.0041	-56.653
	.463	-.6559	.0101	159.609	-.2208	.0027	-31.925	.3323	.0126	-47.739
	.519	-.6559	.0020	122.672	-.2208	.0023	-38.887	.3333	.0042	-47.437
	.579	-.6559	.0051	135.122	-.0507	.0021	-42.726	.4384	.0022	-44.320
	.659	-.6559	.0038	124.815	.0507	.0027	-6.720	.4726	.0059	-35.308
	.739	-.5311	.0043	144.131	.1835	.0016	-61.130	.7146	.0058	-42.644
	.819	-.3446	.0077	-176.697	.3534	.0012	-55.742	.6980	.0084	-37.750
	.899	-.1351	.0016	-172.344	.4013	.0014	-45.578	.5364	.0027	-17.047
	.974				.2809	.0014	-36.315			
	.990	.0807	.0003	13.423						
ETA = .871	.025	-.6420	.0042	78.320	-.1893	.0051	-69.499	.4527	.0089	-83.991
	.084	-.6681	.0045	96.116	-.2819	.0047	-44.586	.3862	.0087	-63.790
	.143	-.6277	.0038	106.420	-.2761	.0041	-57.210	.3516	.0078	-65.082
	.202	-.6291	.0038	102.683	-.3245	.0067	-37.548	.3047	.0099	-51.728
	.301	-.6179	.0121	141.105	-.3873	.0102	-12.023	.3306	.0217	-26.625
	.354	-.5529	.0106	153.099	-.3019	.0109	-6.928	.2277	.0212	-16.793
	.407	-.5599	.0055	139.696	-.3173	.0127	-1.147	.2277	.0173	-12.728
	.460	-.5589	.0139	175.089	-.2925	.0120	1.222	.2277	.0239	-2.067
	.513	-.5847	.0195	-170.972	-.2280	.0153	5.897	.3567	.0348	7.651
	.566	-.4946	.0235	-167.706	-.2222	.0131	8.944	.2724	.0366	11.095
	.680	-.4633	.0263	-178.322	.0144	.0429	-1.383	.4779	.0682	.400
	.742	-.3333	.0736	-179.130	.1543	.0197	-1.603	.4879	.0933	.559
	.830	-.1816	.0157	176.165	.3413	.0126	-5.523	.5229	.0283	-4.586
	.910	-.0563	.0060	176.682	.4231	.0083	-5.859	.4794	.0143	-4.793
	.975				.3146	.0046	-3.298			
	.990	.1141	.0020	-39.792						
ETA = .972	.025	-.7484	.0119	130.104	-.2809	.0092	-26.856	.4674	.0207	-39.870
	.092	-.6897	.0079	142.849	-.3547	.0074	-20.143	.3350	.0151	-28.927
	.126				-.3754	.0076	-22.641			
	.160	-.7252	.0112	166.952	-.4000	.0035	-5.217	.2059	.0157	-12.701
	.227	-.6059	.0122	165.158	-.3584	.0073	-7.979	.1751	.0232	-12.641
	.294	-.5335	.0159	165.221	-.3142	.0071	9.364	.0327	.0117	-22.693
	.362	-.3469	.0051	-138.588	-.2402	.0069	4.370	.1233	.0161	10.588
	.430	-.3635	.0093	-164.802	-.2599	.0084	-1.772	.1006	.0179	2.946
	.497	-.3606	.0095	-173.767	-.2330	.0075	10.049	.1051	.0181	8.846
	.565	-.3382	.0106	-172.005	-.0909	.0130	23.323	.2505	.0246	15.832
	.632	-.3414	.0118	-172.426	.0867	.0024	22.765	.3797	.0120	8.507
	.700	-.2930	.0097	-174.987	.2277	.0016	119.822	.4628	.0085	22.201
	.767	-.2352	.0089	-168.063	.3152	.0009	171.465	.4975	.0062	-1.182
	.835	-.1822	.0071	178.763	.2959	.0021	157.256	.4126	.0036	10.616
	.902	-.1167	.0055	178.496	.1667	.0020	-169.935			
	.973									
	.990	.0338	.0035	164.288						
ETA = .875	.084	-.6379	.0042	132.445						
	.143	-.6987	.0047	133.376						
	.202									
	.301	-.4873	.0112	173.812						
	.407									
	.513	-.4563	.0253	-174.648						
	.680	-.1657	.0227	-158.476						
	.830									
ETA = .981	.160				-.3943	.0075	-23.511			

Table 4. Continued

UNSTEADY PRESSURES - TDT TEST 367									
POINT NUMBER 1002		MACH = .800		RN = .643*10E6		H = 356.275 PSF		ALPHA = .005 DEG	
		Q = 104.656 PSF		GAMMA = 1.400		P = 233.800 PSF		CPSTAR = -.436	
		DELTA (MEAN) = -.116 DEG		DELTA (AMPL) = 2.019 DEG		OSCILLATION FREQUENCY = 20.081 HZ		K = .263	
ANALYZED VALUES :		DELTA (MEAN) = .026 DEG		DELTA (AMPL) = 1.986 DEG		OSCILLATION FREQUENCY = 20.080 HZ		K = .263	
X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-.8262	.0030	61.129	-.2431	.0033	-42.595	.5832	.0050
	.087	-.6436	.0011	78.058	-.3412	.0039	-34.802	.3024	.0044
	.148	-.6687	.0031	91.514	-.3561	.0036	-30.227	.3126	.0059
	.209	-.6193	.0024	62.016	-.3193	.0037	-20.373	.3000	.0041
	.294	-.6118	.0027	65.213	-.3322	.0037	-14.982	.3097	.0042
	.350	-.6576	.0033	106.046	-.3587	.0044	-13.849	.2989	.0067
	.407	-.6596	.0028	90.601	-.3235	.0047	-10.905	.3361	.0059
	.463	-.6682	.0110	154.024	-.3339	.0052	-16.714	.3343	.0162
	.519	-.6685	.0034	103.573	-.2875	.0052	-16.308	.3811	.0075
	.579	-.6772	.0079	136.441	-.2296	.0044	-10.728	.4476	.0118
	.659	-.6408	.0070	117.323	.0451	.0052	3.573	.6859	.0103
	.739	-.5507	.0101	133.305	.1794	.0024	1.626	.7300	.0118
	.819	-.3467	.0125	168.312	.3489	.0031	-9.494	.6956	.0156
	.899	-.1361	.0029	-154.458	.3966	.0026	-8.898	.5327	.0053
	.974				.2766	.0019	-27.400		
	.990	.0752	.0016	49.326					
ETA = .871	.025	-.6382	.0056	97.548	-.2015	.0103	-48.341	.4367	.0153
	.084	-.6707	.0061	97.821	-.2911	.0076	-36.062	.3796	.0126
	.143	-.6364	.0082	104.255	-.2868	.0070	-43.245	.3496	.0146
	.202	-.6365	.0054	114.185	-.3363	.0112	-24.534	.3002	.0157
	.301	-.6397	.0215	139.715	-.4001	.0197	-5.205	.2397	.0393
	.354	-.5450	.0201	145.235	-.3118	.0206	-3.747	.2332	.0392
	.407	-.6088	.0104	137.439	-.3273	.0230	.551	.2815	.0314
	.460	-.5993	.0262	170.347	-.3037	.0282	1.601	.2956	.0541
	.513	-.5942	.0397	-175.793	-.2395	.0311	5.031	.3546	.0708
	.566	-.5064	.0444	-174.689	-.2316	.0272	11.380	.2749	.0715
	.680	-.4637	.0593	176.490	-.0042	.0901	-.229	.4595	.1493
	.742	-.3214	.1373	176.432	.1473	.0375	-.076	.4687	.1747
	.830	-.1919	.0383	174.134	.3357	.0269	-7.552	.5276	.0652
	.910	-.0602	.0133	169.514	.4184	.0171	-3.079	.4785	.0303
	.975				.3101	.0092	-5.708		
	.990	.1109	.0040	-19.056					
ETA = .972	.025	-.7493	.0204	135.729	-.2899	.0162	-19.508	.4594	.0358
	.092	-.6976	.0153	141.905	-.3678	.0159	-16.511	.3299	.0306
	.126				-.3901	.0158	-14.361		
	.160	-.7414	.0203	159.935					
	.227	-.6220	.0217	157.489	-.4118	.0119	-10.426	.2102	.0334
	.294	-.5610	.0304	157.460	-.3709	.0158	-2.661	.1901	.0456
	.362	-.3473	.0100	-142.913	-.3246	.0155	11.024	.0227	.0249
	.430	-.3663	.0166	-171.184	-.2494	.0161	4.621	.1169	.0327
	.497	-.3647	.0197	-176.699	-.2691	.0153	7.641	.0956	.0350
	.565	-.3437	.0195	-173.340	-.2426	.0133	10.058	.1011	.0328
	.632	-.3477	.0217	-173.783	-.0920	.0249	18.615	.2557	.0463
	.700	-.2970	.0185	-169.671	-.0800	.0043	28.322	.3770	.0226
	.767	-.2403	.0168	-174.843	.2234	.0022	103.393	.4637	.0166
	.835	-.1868	.0153	177.829	.3095	.0040	140.056	.4964	.0124
	.902	-.1233	.0132	-177.139	.2897	.0055	155.941	.4130	.0087
	.973				.1614	.0048	165.347		
	.990	.0285	.0073	166.956					
ETA = .875	.084	-.6445	.0081	117.498					
	.143	-.7066	.0079	121.725					
	.202								
	.301	-.4978	.0237	159.800					
	.407								
	.513	-.4563	.0709	-178.307					
	.680	-.1721	.0503	-166.829					
ETA = .981	.160				-.4095	.0134	-10.090		

Table 4. Concluded

UNSTEADY PRESSURES - TDT TEST 367										
POINT NUMBER 1003		MACH = .798		RN = .643*10E6		H = 356.175 PSF		ALPHA = .005 DEG		
		Q = 104.361 PSF		GAMMA = 1.400		P = 234.125 PSF		CPSTAR = -.440		
		DELTA (MEAN) = -.283 DEG		DELTA (AMPL) = 3.026 DEG		OSCILLATION FREQUENCY = 20.080 HZ		K = .264		
ANALYZED VALUES :		DELTA (MEAN) = -.148 DEG		DELTA (AMPL) = 2.972 DEG		OSCILLATION FREQUENCY = 20.060 HZ		K = .263		
	X/C	UPPER CP MEAN	UPPER CP MAGNITUDE	UPPER CP PHASE	LOWER CP MEAN	LOWER CP MAGNITUDE	LOWER CP PHASE	DELTA CP MEAN	DELTA CP MAGNITUDE	DELTA CP PHASE
ETA = .707	.025	-.8311	.0031	81.547	-.2400	.0040	-55.531	.5911	.0066	-74.139
	.087	-.6450	.0031	81.384	-.3382	.0039	-61.614	.3069	.0066	-77.925
	.148	-.6683	.0057	76.504	-.3539	.0048	-51.775	.3144	.0095	-80.015
	.209	-.6191	.0039	87.832	-.3181	.0054	-33.802	.3010	.0082	-57.838
	.294	-.6402	.0066	91.237	-.3311	.0061	-28.834	.3091	.0110	-60.099
	.350	-.6560	.0066	111.654	-.3572	.0058	-20.796	.2988	.0114	-46.199
	.407	-.6593	.0057	122.628	-.3230	.0068	-22.005	.3363	.0119	-38.082
	.463	-.6650	.0164	140.592	-.3334	.0061	-26.664	.3335	.0224	-35.962
	.519	-.6627	.0080	123.294	-.2872	.0060	-16.554	.3755	.0132	-39.619
	.579	-.6722	.0130	148.521	-.2277	.0063	-15.284	.4445	.0191	-26.209
	.659	-.6372	.0106	131.460	-.0440	.0070	-3.796	.6812	.0163	-30.980
	.739	-.5449	.0188	143.380	-.782	.0035	-20.971	.7230	.0222	-34.181
	.819	-.3473	.0177	-172.826	-.3486	.0065	-20.502	.6959	.0234	-1.691
	.899	-.1365	.0032	-175.725	-.3970	.0047	-20.933	.5336	.0077	-10.760
	.974				-.2746	.0021	-10.926			
	.990	.0743	.0005	-158.064						
ETA = .871	.025	-.6404	.0106	93.864	-.2006	.0146	-56.425	.4398	.0244	-68.869
	.084	-.6709	.0099	97.829	-.2912	.0123	-42.170	.3796	.0209	-59.917
	.143	-.6341	.0140	104.463	-.2855	.0100	-43.073	.3487	.0231	-62.083
	.202	-.6335	.0115	112.376	-.3352	.0169	-32.585	.2983	.0271	-46.670
	.301	-.6342	.0348	146.335	-.4015	.0286	-7.864	.2326	.0618	-22.048
	.354	-.5403	.0317	153.436	-.3122	.0293	-4.898	.2281	.0599	-16.162
	.407	-.6046	.0158	143.650	-.3272	.0343	-.388	.2774	.0480	-11.535
	.460	-.5931	.0411	173.355	-.3049	.0407	-.330	.2882	.0817	-3.503
	.513	-.5904	.0589	-174.629	-.3426	.0433	-.207	.3478	.1022	4.031
	.566	-.5005	.0657	-174.445	-.3337	.0402	9.394	.2668	.1058	7.012
	.620	-.4432	.0982	177.385	-.3283	.1373	-1.737	.4149	.2355	-2.103
	.742	-.3050	.1809	177.649	-.1448	.0556	-.720	.4417	.2365	-1.968
	.830	-.1998	.0681	171.810	-.3318	.0393	-10.666	.5316	.1074	-9.096
	.910	-.0604	.0207	168.438	-.4170	.0248	-4.033	.4774	.0454	-7.458
	.975				-.3096	.0142	-8.611			
	.990	.1105	.0038	-26.382						
ETA = .972	.025	-.7490	.0323	134.403	-.2884	.0256	-26.287	.4606	.0571	-37.070
	.092	-.6987	.0236	144.080	-.3693	.0222	-19.285	.3294	.0453	-27.858
	.126				-.3895	.0219	-19.091			
	.160	-.7360	.0340	162.479	-.4140	.0174	-14.912	.2045	.0517	-16.053
	.227	-.6185	.0343	163.368	-.3707	.0212	-.890	.1802	.0671	-14.148
	.294	-.5509	.0467	159.876	-.3261	.0218	8.080	.0228	.0354	21.748
	.362	-.3488	.0151	138.306	-.2517	.0235	5.589	.1141	.0496	5.301
	.430	-.3658	.0261	174.958	-.2713	.0224	3.848	.0924	.0522	3.943
	.497	-.3637	.0298	175.985	-.2435	.0201	6.209	.0980	.0507	6.052
	.565	-.3415	.0306	174.051	-.0991	.0373	17.340	.2477	.0723	12.496
	.632	-.3468	.0303	-172.623	-.0781	.0071	28.859	.3736	.0370	11.995
	.700	-.2955	.0272	-171.902	-.2227	.0031	102.918	.4625	.0271	13.449
	.767	-.2398	.0240	-173.095	-.3106	.0065	142.513	.4960	.0193	12.779
	.835	-.1853	.0201	-179.243	-.2889	.0105	162.479	.4125	.0110	23.827
	.902	-.1237		-176.361	-.1593	.0080	167.777			
	.973									
	.990	.0263	.0108	172.966						
ETA = .875	.084									
	.143	-.6415	.0141	120.176						
	.202	-.7056	.0154	118.441						
	.301									
	.407	-.4921	.0356	163.841						
ETA = .981	.513									
	.620	-.4307	.1186	-176.960						
	.830	-.1801	.0935	-171.881						
ETA = .981		.160			-.4082	.0195	-15.444			

Table 5. Measured Wing Dynamic-Deflection Data

TDT TEST 367

POINT NUMBER 506 MACH = .803 RN = 3.798*10E6 H = 787.550 PSF ALPHA = -.018 DEG
 Q = 201.125 PSF GAMMA = 1.133 P = 551.125 PSF
 DELTA (MEAN) = -.091 DEG DELTA (AMPL) = 1.002 DEG OSCILLATION FREQUENCY = 5.054 HZ K = .146

ANALYZED VALUES : DELTA (MEAN) = -.089 DEG DELTA (AMPL) = .990 DEG OSCILLATION FREQUENCY = 5.051 HZ K = .146

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0044	83.3	.0114
30.06	22.78	.0030	71.4	.0079
38.85	61.52	.0183	-174.5	.0478
47.35	61.52	.0416	173.0	.1086
49.25	82.00	.0494	-178.1	.1287
57.43	84.10	.0723	172.0	.1885
54.19	91.72	.0656	176.1	.1711
60.96	92.00	.0775	166.7	.2021
61.95	107.00	.1520	172.8	.3965
67.65	107.00	.1624	172.1	.4235

Table 5. Continued

TDT TEST 367

POINT NUMBER 507 MACH = .802 RN = 3.794*10E6 H = 788.400 PSF ALPHA = -.018 DEG
 Q = 201.101 PSF GAMMA = 1.132 P = 552.075 PSF
 DELTA (MEAN) = -.073 DEG DELTA (AMPL) = 2.053 DEG OSCILLATION FREQUENCY = 5.054 HZ K = .146

ANALYZED VALUES : DELTA (MEAN) = -.091 DEG DELTA (AMPL) = 2.058 DEG OSCILLATION FREQUENCY = 5.051 HZ K = .146

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0056	-179.2	.0146
30.06	22.78	.0086	150.0	.0225
38.85	61.52	.0468	-166.9	.1220
47.35	61.52	.0560	-176.6	.1460
49.25	82.00	.1127	165.4	.2940
57.43	84.10	.1439	168.7	.3752
54.19	91.72	.1724	165.3	.4496
60.96	92.00	.2039	170.2	.5319
61.95	107.00	.3232	169.8	.8430
67.65	107.00	.3478	170.9	.9071

Table 5. Continued

TDT TEST 367

POINT NUMBER 508 MACH = .800 RN = 3.785*10E6 H = 788.325 PSF ALPHA = -.017 DEG
 Q = 200.331 PSF GAMMA = 1.132 P = 553.125 PSF
 DELTA (MEAN) = -.085 DEG DELTA (AMPL) = 3.077 DEG OSCILLATION FREQUENCY = 5.054 HZ K = .146

ANALYZED VALUES : DELTA (MEAN) = -.012 DEG DELTA (AMPL) = 3.080 DEG OSCILLATION FREQUENCY = 5.051 HZ K = .146

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0071	-169.7	.0186
30.06	22.78	.0119	-163.9	.0311
38.85	61.52	.0612	161.2	.1596
47.35	61.52	.0806	164.9	.2102
49.25	82.00	.1611	167.0	.4201
57.43	84.10	.2176	172.7	.5676
54.19	91.72	.2417	168.7	.6305
60.96	92.00	.2865	174.0	.7471
61.95	107.00	.4804	168.5	1.2529
67.65	107.00	.5180	169.4	1.3511

Table 5. Continued

TDT TEST 367

POINT NUMBER 509 MACH = .800 RN = 3.786*10E6 H = 789.175 PSF ALPHA = -.019 DEG
 Q = 200.665 PSF GAMMA = 1.132 P = 553.550 PSF
 DELTA (MEAN) = .065 DEG DELTA (AMPL) = 1.046 DEG OSCILLATION FREQUENCY = 15.120 HZ K = .437

ANALYZED VALUES : DELTA (MEAN) = .062 DEG DELTA (AMPL) = 1.066 DEG OSCILLATION FREQUENCY = 15.010 HZ K = .434

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0012	-4.9	.0275
30.06	22.78	.0016	7.4	.0368
38.85	61.52	.0184	13.5	.4245
47.35	61.52	.0200	15.4	.4611
49.25	82.00	.0380	15.5	.8761
57.43	84.10	.0438	15.1	1.0091
54.19	91.72	.0474	15.6	1.0917
60.96	92.00	.0550	15.2	1.2675
61.95	107.00	.0930	15.9	2.1414
67.65	107.00	.0959	14.8	2.2099

Table 5. Continued

TDT TEST 367

POINT NUMBER 510 MACH = .801 RN = 3.787*10E6 H = 789.275 PSF ALPHA = -.017 DEG
 Q = 200.923 PSF GAMMA = 1.132 P = 553.275 PSF
 DELTA (MEAN) = .019 DEG DELTA (AMPL) = 2.073 DEG OSCILLATION FREQUENCY = 15.017 HZ K = .434

ANALYZED VALUES : DELTA (MEAN) = -.026 DEG DELTA (AMPL) = 2.079 DEG OSCILLATION FREQUENCY = 14.995 HZ K = .433

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0023	3.4	.0525
30.06	22.78	.0030	7.9	.0699
38.85	61.52	.0335	11.7	.7696
47.35	61.52	.0379	12.5	.8724
49.25	82.00	.0717	10.7	1.6488
57.43	84.10	.0816	12.6	1.8768
54.19	91.72	.0872	11.0	2.0053
60.96	92.00	.1011	12.6	2.3253
61.95	107.00	.1697	13.3	3.9009
67.65	107.00	.1755	13.3	4.0340

Table 5. Continued

TDT TEST 367

POINT NUMBER 511 MACH = .800 RN = 3.786×10^6 H = 789.475 PSF ALPHA = -.018 DEG
 Q = 200.781 PSF GAMMA = 1.132 P = 553.700 PSF
 DELTA (MEAN) = -.053 DEG DELTA (AMPL) = 3.074 DEG OSCILLATION FREQUENCY = 14.966 HZ K = .433

ANALYZED VALUES : DELTA (MEAN) = -.085 DEG DELTA (AMPL) = 3.076 DEG OSCILLATION FREQUENCY = 14.995 HZ K = .433

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0041	-4.1	.0939
30.06	22.78	.0053	5.6	.1214
38.85	61.52	.0496	11.0	1.1403
47.35	61.52	.0577	11.6	1.3261
49.25	82.00	.1062	10.1	2.4426
57.43	84.10	.1193	11.9	2.7439
54.19	91.72	.1294	11.3	2.9758
60.96	92.00	.1486	12.3	3.4164
61.95	107.00	.2511	13.0	5.7733
67.65	107.00	.2597	13.1	5.9709

Table 5. Continued

TDT TEST 367

POINT NUMBER 512 MACH = .800 RN = 3.788*10E6 H = 789.975 PSF ALPHA = -.017 DEG
 Q = 200.956 PSF GAMMA = 1.132 P = 553.975 PSF
 DELTA (MEAN) = .069 DEG DELTA (AMPL) = 1.049 DEG OSCILLATION FREQUENCY = 20.478 HZ K = .592

ANALYZED VALUES : DELTA (MEAN) = .047 DEG DELTA (AMPL) = 1.046 DEG OSCILLATION FREQUENCY = 20.456 HZ K = .591

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0008	-9.7	.0344
30.06	22.78	.0010	-8.5	.0421
38.85	61.52	.0093	3.1	.3974
47.35	61.52	.0102	3.2	.4384
49.25	82.00	.0173	3.2	.7408
57.43	84.10	.0174	1.8	.7453
54.19	91.72	.0184	3.8	.7887
60.96	92.00	.0205	1.6	.8752
61.95	107.00	.0331	6.7	1.4162
67.65	107.00	.0326	4.0	1.3957

Table 5. Continued

TDT TEST 367

POINT NUMBER 513 MACH = .800 RN = 3.783*10E6 H = 789.800 PSF ALPHA = -.017 DEG
 Q = 200.629 PSF GAMMA = 1.132 P = 554.275 PSF
 DELTA (MEAN) = -.017 DEG DELTA (AMPL) = 2.037 DEG OSCILLATION FREQUENCY = 20.408 HZ K = .590

ANALYZED VALUES : DELTA (MEAN) = -.036 DEG DELTA (AMPL) = 2.040 DEG OSCILLATION FREQUENCY = 20.456 HZ K = .592

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0021	-6.2	.0885
30.06	22.78	.0022	-7.0	.0962
38.85	61.52	.0178	1.9	.7634
47.35	61.52	.0198	2.4	.8478
49.25	82.00	.0326	3.2	1.3950
57.43	84.10	.0334	3.8	1.4307
54.19	91.72	.0360	4.6	1.5388
60.96	92.00	.0401	2.9	1.7140
61.95	107.00	.0636	8.6	2.7215
67.65	107.00	.0629	6.8	2.6909

Table 5. Continued

TDT TEST 367

POINT NUMBER 514 MACH = .800 RN = 3.787*10E6 H = 790.200 PSF ALPHA = -.017 DEG
 Q = 200.987 PSF GAMMA = 1.132 P = 554.175 PSF
 DELTA (MEAN) = -.092 DEG DELTA (AMPL) = 3.049 DEG OSCILLATION FREQUENCY = 20.470 HZ K = .591

ANALYZED VALUES : DELTA (MEAN) = -.137 DEG DELTA (AMPL) = 3.063 DEG OSCILLATION FREQUENCY = 20.453 HZ K = .591

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0025	5.8	.1069
30.06	22.78	.0028	-.2	.1206
38.85	61.52	.0265	2.4	1.1328
47.35	61.52	.0286	1.4	1.2225
49.25	82.00	.0486	2.6	2.0774
57.43	84.10	.0497	2.2	2.1274
54.19	91.72	.0544	3.3	2.3262
60.96	92.00	.0586	1.7	2.5078
61.95	107.00	.0950	7.5	4.0642
67.65	107.00	.0940	5.6	4.0196

Table 5. Continued

TDT TEST 367

POINT NUMBER 518 MACH = .803 RN = 3.817*10E6 H = 791.150 PSF ALPHA = 2.029 DEG
 Q = 202.214 PSF GAMMA = 1.133 P = 553.400 PSF
 DELTA (MEAN) = .092 DEG DELTA (AMPL) = 1.026 DEG OSCILLATION FREQUENCY = 5.072 HZ K = .146

ANALYZED VALUES : DELTA (MEAN) = .107 DEG DELTA (AMPL) = 1.021 DEG OSCILLATION FREQUENCY = 5.056 HZ K = .146

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0065	46.8	.0170
30.06	22.78	.0054	158.4	.0142
38.85	61.52	.0023	155.3	.0060
47.35	61.52	.0194	-163.2	.0508
49.25	82.00	.0452	178.2	.1180
57.43	84.10	.0731	174.3	.1910
54.19	91.72	.0693	169.8	.1811
60.96	92.00	.0861	172.7	.2249
61.95	107.00	.1402	172.7	.3664
67.65	107.00	.1448	177.0	.3784

Table 5. Continued

TDT TEST 367

POINT NUMBER 519 MACH = .800 RN = 3.802*10E6 H = 791.200 PSF ALPHA = 2.030 DEG
 Q = 201.071 PSF GAMMA = 1.132 P = 555.125 PSF
 DELTA (MEAN) = .124 DEG DELTA (AMPL) = 2.034 DEG OSCILLATION FREQUENCY = 5.054 HZ K = .146

ANALYZED VALUES : DELTA (MEAN) = .044 DEG DELTA (AMPL) = 2.034 DEG OSCILLATION FREQUENCY = 5.051 HZ K = .146

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0062	-137.2	.0161
30.06	22.78	.0078	-177.4	.0204
38.85	61.52	.0217	173.7	.0566
47.35	61.52	.0450	174.2	.1175
49.25	82.00	.0862	168.2	.2248
57.43	84.10	.1239	166.9	.3231
54.19	91.72	.1436	166.5	.3744
60.96	92.00	.1587	169.9	.4140
61.95	107.00	.2819	168.8	.7354
67.65	107.00	.2945	173.0	.7682

Table 5. Continued

TDT TEST 367

POINT NUMBER 520 MACH = .802 RN = 3.810*10E6 H = 792.550 PSF ALPHA = 2.030 DEG
 Q = 202.097 PSF GAMMA = 1.132 P = 555.075 PSF
 DELTA (MEAN) = -.105 DEG DELTA (AMPL) = 3.019 DEG OSCILLATION FREQUENCY = 5.054 HZ K = .146

ANALYZED VALUES : DELTA (MEAN) = -.003 DEG DELTA (AMPL) = 3.035 DEG OSCILLATION FREQUENCY = 5.051 HZ K = .146

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0060	-103.2	.0158
30.06	22.78	.0040	153.3	.0105
38.85	61.52	.0549	176.8	.1432
47.35	61.52	.0778	166.6	.2030
49.25	82.00	.1531	173.8	.3993
57.43	84.10	.1943	172.0	.5068
54.19	91.72	.2097	171.8	.5470
60.96	92.00	.2424	170.1	.6321
61.95	107.00	.4203	169.3	1.0964
67.65	107.00	.4414	173.0	1.1514

Table 5. Continued

TDT TEST 367

POINT NUMBER 521 MACH = .799 RN = 3.797*10E6 H = 792.275 PSF ALPHA = 2.029 DEG
 Q = 201.126 PSF GAMMA = 1.132 P = 556.200 PSF
 DELTA (MEAN) = .089 DEG DELTA (AMPL) = 1.057 DEG OSCILLATION FREQUENCY = 15.017 HZ K = .435

ANALYZED VALUES : DELTA (MEAN) = .073 DEG DELTA (AMPL) = 1.054 DEG OSCILLATION FREQUENCY = 14.995 HZ K = .434

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0018	7.2	.0415
30.06	22.78	.0011	5.3	.0262
38.85	61.52	.0159	13.8	.3660
47.35	61.52	.0192	10.1	.4420
49.25	82.00	.0345	11.8	.7932
57.43	84.10	.0390	13.2	.8968
54.19	91.72	.0439	13.6	1.0083
60.96	92.00	.0495	13.3	1.1385
61.95	107.00	.0835	13.5	1.9193
67.65	107.00	.0861	14.3	1.9797

Table 5. Continued

TDT TEST 367

POINT NUMBER 522 MACH = .800 RN = 3.800*10E6 H = 792.725 PSF ALPHA = 2.029 DEG
 Q = 201.576 PSF GAMMA = 1.132 P = 556.025 PSF
 DELTA (MEAN) = .041 DEG DELTA (AMPL) = 2.031 DEG OSCILLATION FREQUENCY = 14.983 HZ K = .433

ANALYZED VALUES : DELTA (MEAN) = -.005 DEG DELTA (AMPL) = 2.034 DEG OSCILLATION FREQUENCY = 14.995 HZ K = .433

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0019	9.3	.0439
30.06	22.78	.0027	13.3	.0616
38.85	61.52	.0309	9.2	.7108
47.35	61.52	.0361	13.5	.8298
49.25	82.00	.0645	14.3	1.4839
57.43	84.10	.0749	14.1	1.7210
54.19	91.72	.0815	15.2	1.8730
60.96	92.00	.0938	14.5	2.1560
61.95	107.00	.1596	16.0	3.6691
67.65	107.00	.1617	16.5	3.7180

Table 5. Continued

TDT TEST 367

POINT NUMBER 523 MACH = .800 RN = 3.800*10E6 H = 793.075 PSF ALPHA = 2.030 DEG
 Q = 201.594 PSF GAMMA = 1.132 P = 556.375 PSF
 DELTA (MEAN) = -.040 DEG DELTA (AMPL) = 3.065 DEG OSCILLATION FREQUENCY = 15.017 HZ K = .434

ANALYZED VALUES : DELTA (MEAN) = -.071 DEG DELTA (AMPL) = 3.062 DEG OSCILLATION FREQUENCY = 14.995 HZ K = .433

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0029	4.7	.0664
30.06	22.78	.0043	3.6	.0978
38.85	61.52	.0462	11.7	1.0612
47.35	61.52	.0541	13.9	1.2437
49.25	82.00	.1013	13.0	2.3283
57.43	84.10	.1154	13.7	2.6527
54.19	91.72	.1254	13.6	2.8827
60.96	92.00	.1454	13.9	3.3424
61.95	107.00	.2464	15.0	5.6650
67.65	107.00	.2540	16.1	5.8396

Table 5. Continued

TDT TEST 367

POINT NUMBER 524 MACH = .802 RN = 3.805*10E6 H = 793.850 PSF ALPHA = 2.029 DEG
 Q = 202.300 PSF GAMMA = 1.132 P = 556.175 PSF
 DELTA (MEAN) = .078 DEG DELTA (AMPL) = 1.031 DEG OSCILLATION FREQUENCY = 20.000 HZ K = .577

ANALYZED VALUES : DELTA (MEAN) = .061 DEG DELTA (AMPL) = 1.018 DEG OSCILLATION FREQUENCY = 19.973 HZ K = .576

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0006	-18.4	.0240
30.06	22.78	.0008	2.5	.0313
38.85	61.52	.0078	6.4	.3163
47.35	61.52	.0088	2.7	.3604
49.25	82.00	.0155	6.3	.6306
57.43	84.10	.0161	6.3	.6584
54.19	91.72	.0180	7.1	.7330
60.96	92.00	.0193	1.4	.7870
61.95	107.00	.0319	7.5	1.3026
67.65	107.00	.0325	4.6	1.3272

Table 5. Continued

TDT TEST 367

POINT NUMBER 525 MACH = .800 RN = 3.798*10E6 H = 793.600 PSF ALPHA = 2.029 DEG
 Q = 201.600 PSF GAMMA = 1.132 P = 556.925 PSF
 DELTA (MEAN) = -.007 DEG DELTA (AMPL) = 2.049 DEG OSCILLATION FREQUENCY = 20.000 HZ K = .578

ANALYZED VALUES : DELTA (MEAN) = -.026 DEG DELTA (AMPL) = 2.051 DEG OSCILLATION FREQUENCY = 19.993 HZ K = .578

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0012	4.8	.0495
30.06	22.78	.0017	.1	.0702
38.85	61.52	.0174	3.3	.7114
47.35	61.52	.0187	2.8	.7658
49.25	82.00	.0338	4.7	1.3805
57.43	84.10	.0349	3.3	1.4277
54.19	91.72	.0376	5.1	1.5352
60.96	92.00	.0404	3.5	1.6528
61.95	107.00	.0657	8.1	2.6867
67.65	107.00	.0646	6.9	2.6404

Table 5. Continued

TDT TEST 367

POINT NUMBER 526 MACH = .805 RN = 3.814*10E6 H = 794.925 PSF ALPHA = 2.029 DEG
 Q = 203.761 PSF GAMMA = 1.132 P = 555.175 PSF
 DELTA (MEAN) = -.103 DEG DELTA (AMPL) = 3.032 DEG OSCILLATION FREQUENCY = 20.000 HZ K = .574

ANALYZED VALUES : DELTA (MEAN) = -.124 DEG DELTA (AMPL) = 3.036 DEG OSCILLATION FREQUENCY = 19.993 HZ K = .574

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0021	-.8	.0865
30.06	22.78	.0042	35.6	.1702
38.85	61.52	.0251	2.3	1.0244
47.35	61.52	.0273	2.2	1.1156
49.25	82.00	.0475	3.7	1.9419
57.43	84.10	.0500	2.6	2.0427
54.19	91.72	.0545	3.8	2.2285
60.96	92.00	.0595	2.1	2.4300
61.95	107.00	.0967	7.0	3.9541
67.65	107.00	.0950	5.8	3.8816

Table 5. Continued

TDT TEST 367

POINT NUMBER 528 MACH = .702 RN = 4.252*10E6 H = 947.250 PSF ALPHA = -.001 DEG
 Q = 200.844 PSF GAMMA = 1.132 P = 720.050 PSF
 DELTA (MEAN) = -.003 DEG DELTA (AMPL) = 1.037 DEG OSCILLATION FREQUENCY = 4.950 HZ K = .163

ANALYZED VALUES : DELTA (MEAN) = .015 DEG DELTA (AMPL) = 1.028 DEG OSCILLATION FREQUENCY = 4.985 HZ K = .164

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0163	-63.8	.0415
30.06	22.78	.0942	65.8	.2392
38.85	61.52	.0245	173.1	.0622
47.35	61.52	.0369	161.3	.0937
49.25	82.00	.0327	-173.4	.0831
57.43	84.10	.0603	-179.0	.1531
54.19	91.72	.0628	-176.5	.1596
60.96	92.00	.0768	-178.4	.1952
61.95	107.00	.1546	171.8	.3929
67.65	107.00	.1643	174.4	.4174

Table 5. Continued

TDT TEST 367

POINT NUMBER 529 MACH = .698 RN = 4.234*10E6 H = 946.550 PSF ALPHA = -.001 DEG
 Q = 198.911 PSF GAMMA = 1.132 P = 721.875 PSF
 DELTA (MEAN) = -.435 DEG DELTA (AMPL) = 1.992 DEG OSCILLATION FREQUENCY = 5.000 HZ K = .165

ANALYZED VALUES : DELTA (MEAN) = -.044 DEG DELTA (AMPL) = 2.066 DEG OSCILLATION FREQUENCY = 4.984 HZ K = .165

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0031	-162.2	.0079
30.06	22.78	.0088	150.0	.0224
38.85	61.52	.0250	171.3	.0634
47.35	61.52	.0555	168.0	.1410
49.25	82.00	.1029	178.8	.2614
57.43	84.10	.1609	174.3	.4088
54.19	91.72	.1567	175.6	.3981
60.96	92.00	.1748	169.8	.4441
61.95	107.00	.3281	168.7	.8332
67.65	107.00	.3453	171.8	.8770

Table 5. Continued

TDT TEST 367

POINT NUMBER 530 MACH = .701 RN = 4.246*10E6 H = 947.425 PSF ALPHA = -.003 DEG
 Q = 200.279 PSF GAMMA = 1.132 P = 720.975 PSF
 DELTA (MEAN) = .572 DEG DELTA (AMPL) = 2.961 DEG OSCILLATION FREQUENCY = 4.975 HZ K = .164

ANALYZED VALUES : DELTA (MEAN) = -.098 DEG DELTA (AMPL) = 3.080 DEG OSCILLATION FREQUENCY = 4.985 HZ K = .164

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0013	-120.5	.0033
30.06	22.78	.0099	132.9	.0251
38.85	61.52	.0677	-174.2	.1721
47.35	61.52	.0932	175.6	.2369
49.25	82.00	.1524	171.5	.3872
57.43	84.10	.2098	169.7	.5331
54.19	91.72	.2275	165.6	.5782
60.96	92.00	.2663	168.4	.6767
61.95	107.00	.4853	168.5	1.2331
67.65	107.00	.5126	171.7	1.3026

Table 5. Continued

TDT TEST 367

POINT NUMBER 531 MACH = .702 RN = 4.251*10E6 H = 948.150 PSF ALPHA = -.002 DEG
 Q = 200.949 PSF GAMMA = 1.132 P = 720.850 PSF
 DELTA (MEAN) = .065 DEG DELTA (AMPL) = 1.033 DEG OSCILLATION FREQUENCY = 15.038 HZ K = .494

ANALYZED VALUES : DELTA (MEAN) = -.010 DEG DELTA (AMPL) = 1.031 DEG OSCILLATION FREQUENCY = 15.040 HZ K = .494

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0015	11.1	.0350
30.06	22.78	.0012	16.5	.0275
38.85	61.52	.0151	20.6	.3487
47.35	61.52	.0182	17.5	.4219
49.25	82.00	.0334	19.1	.7721
57.43	84.10	.0379	20.5	.8775
54.19	91.72	.0416	20.6	.9625
60.96	92.00	.0480	21.0	1.1110
61.95	107.00	.0810	22.8	1.8732
67.65	107.00	.0839	23.8	1.9414

Table 5. Continued

TDT TEST 367

POINT NUMBER 533 MACH = .702 RN = 4.250*10E6 H = 948.550 PSF ALPHA = -.002 DEG
 Q = 201.033 PSF GAMMA = 1.132 P = 721.150 PSF
 DELTA (MEAN) = .014 DEG DELTA (AMPL) = 2.054 DEG OSCILLATION FREQUENCY = 15.038 HZ K = .494

ANALYZED VALUES : DELTA (MEAN) = -.092 DEG DELTA (AMPL) = 2.046 DEG OSCILLATION FREQUENCY = 15.025 HZ K = .493

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0024	13.5	.0562
30.06	22.78	.0033	17.6	.0755
38.85	61.52	.0311	13.8	.7179
47.35	61.52	.0345	15.5	.7968
49.25	82.00	.0664	16.1	1.5323
57.43	84.10	.0765	16.9	1.7665
54.19	91.72	.0800	17.1	1.8463
60.96	92.00	.0949	17.0	2.1912
61.95	107.00	.1602	17.9	3.6971
67.65	107.00	.1660	18.7	3.8323

Table 5. Continued

TDT TEST 367

POINT NUMBER 534 MACH = .700 RN = 4.243*10E6 H = 948.375 PSF ALPHA = -.002 DEG
 Q = 200.385 PSF GAMMA = 1.132 P = 721.825 PSF
 DELTA (MEAN) = .040 DEG DELTA (AMPL) = 3.039 DEG OSCILLATION FREQUENCY = 15.038 HZ K = .495

ANALYZED VALUES : DELTA (MEAN) = -.155 DEG DELTA (AMPL) = 3.054 DEG OSCILLATION FREQUENCY = 15.030 HZ K = .494

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0035	3.9	.0814
30.06	22.78	.0044	10.9	.1026
38.85	61.52	.0445	15.2	1.0284
47.35	61.52	.0518	15.9	1.1969
49.25	82.00	.0982	14.8	2.2675
57.43	84.10	.1111	15.7	2.5669
54.19	91.72	.1208	15.5	2.7905
60.96	92.00	.1388	16.4	3.2071
61.95	107.00	.2359	17.0	5.4494
67.65	107.00	.2441	17.9	5.6379

Table 5. Continued

TDT TEST 367

POINT NUMBER 535 MACH = .701 RN = 4.244*10E6 H = 948.775 PSF ALPHA = -.002 DEG
 Q = 200.551 PSF GAMMA = 1.132 P = 722.025 PSF
 DELTA (MEAN) = -.010 DEG DELTA (AMPL) = 1.002 DEG OSCILLATION FREQUENCY = 20.000 HZ K = .658

ANALYZED VALUES : DELTA (MEAN) = -.023 DEG DELTA (AMPL) = 1.000 DEG OSCILLATION FREQUENCY = 20.034 HZ K = .659

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0008	14.0	.0325
30.06	22.78	.0009	11.1	.0365
38.85	61.52	.0079	12.0	.3260
47.35	61.52	.0087	8.2	.3576
49.25	82.00	.0151	9.5	.6214
57.43	84.10	.0159	11.5	.6519
54.19	91.72	.0173	12.2	.7092
60.96	92.00	.0194	11.2	.7966
61.95	107.00	.0324	17.0	1.3314
67.65	107.00	.0328	16.7	1.3477

Table 5. Continued

TDT TEST 367

POINT NUMBER 536 MACH = .701 RN = 4.247*10E6 H = 948.800 PSF ALPHA = -.003 DEG
 Q = 200.855 PSF GAMMA = 1.132 P = 721.650 PSF
 DELTA (MEAN) = -.099 DEG DELTA (AMPL) = 2.042 DEG OSCILLATION FREQUENCY = 20.000 HZ K = .657

ANALYZED VALUES : DELTA (MEAN) = -.114 DEG DELTA (AMPL) = 2.050 DEG OSCILLATION FREQUENCY = 20.034 HZ K = .658

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0018	8.3	.0724
30.06	22.78	.0020	2.6	.0823
38.85	61.52	.0166	10.1	.6808
47.35	61.52	.0184	8.6	.7569
49.25	82.00	.0312	7.9	1.2801
57.43	84.10	.0334	8.5	1.3693
54.19	91.72	.0349	8.7	1.4314
60.96	92.00	.0399	8.0	1.6358
61.95	107.00	.0638	12.3	2.6167
67.65	107.00	.0641	11.7	2.6310

Table 5. Continued

TDT TEST 367

POINT NUMBER 537 MACH = .702 RN = 4.249*10E6 H = 949.175 PSF ALPHA = -.004 DEG
 Q = 201.092 PSF GAMMA = 1.132 P = 721.725 PSF
 DELTA (MEAN) = -.196 DEG DELTA (AMPL) = 3.055 DEG OSCILLATION FREQUENCY = 20.073 HZ K = .659

ANALYZED VALUES : DELTA (MEAN) = -.209 DEG DELTA (AMPL) = 3.059 DEG OSCILLATION FREQUENCY = 20.034 HZ K = .658

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0026	.8	.1052
30.06	22.78	.0030	3.3	.1216
38.85	61.52	.0249	6.3	1.0234
47.35	61.52	.0275	6.6	1.1266
49.25	82.00	.0458	7.9	1.8808
57.43	84.10	.0494	8.2	2.0284
54.19	91.72	.0524	8.2	2.1515
60.96	92.00	.0578	8.4	2.3737
61.95	107.00	.0934	13.5	3.8343
67.65	107.00	.0936	13.3	3.8417

Table 5. Continued

TDT TEST 367

POINT NUMBER 538 MACH = .704 RN = 4.259*10E6 H = 950.050 PSF ALPHA = 2.015 DEG
 Q = 202.174 PSF GAMMA = 1.132 P = 721.200 PSF
 DELTA (MEAN) = .152 DEG DELTA (AMPL) = 1.050 DEG OSCILLATION FREQUENCY = 5.076 HZ K = .166

ANALYZED VALUES : DELTA (MEAN) = .007 DEG DELTA (AMPL) = 1.055 DEG OSCILLATION FREQUENCY = 5.056 HZ K = .165

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0101	-143.0	.0265
30.06	22.78	.0077	158.3	.0201
38.85	61.52	.0266	-126.7	.0696
47.35	61.52	.0259	161.0	.0676
49.25	82.00	.0448	179.1	.1171
57.43	84.10	.0672	168.2	.1757
54.19	91.72	.0827	167.6	.2162
60.96	92.00	.0928	169.5	.2425
61.95	107.00	.1570	169.2	.4104
67.65	107.00	.1622	173.5	.4240

Table 5. Continued

TDT TEST 367

POINT NUMBER 539 MACH = .700 RN = 4.245*10E6 H = 949.725 PSF ALPHA = 2.013 DEG
 Q = 200.711 PSF GAMMA = 1.132 P = 722.800 PSF
 DELTA (MEAN) = .205 DEG DELTA (AMPL) = 2.001 DEG OSCILLATION FREQUENCY = 5.051 HZ K = .166

ANALYZED VALUES : DELTA (MEAN) = -.047 DEG DELTA (AMPL) = 2.022 DEG OSCILLATION FREQUENCY = 5.051 HZ K = .166

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0035	87.6	.0091
30.06	22.78	.0038	-139.0	.0098
38.85	61.52	.0596	156.7	.1555
47.35	61.52	.0582	169.5	.1517
49.25	82.00	.0999	165.8	.2606
57.43	84.10	.1352	170.5	.3527
54.19	91.72	.1283	163.6	.3347
60.96	92.00	.1677	168.6	.4374
61.95	107.00	.3065	168.6	.7993
67.65	107.00	.3260	170.9	.8502

Table 5. Continued

TDT TEST 367

POINT NUMBER 540 MACH = .699 RN = 4.237*10E6 H = 949.175 PSF ALPHA = 2.015 DEG
 Q = 199.883 PSF GAMMA = 1.132 P = 723.325 PSF
 DELTA (MEAN) = .337 DEG DELTA (AMPL) = 3.008 DEG OSCILLATION FREQUENCY = 5.051 HZ K = .166

ANALYZED VALUES : DELTA (MEAN) = -.095 DEG DELTA (AMPL) = 3.053 DEG OSCILLATION FREQUENCY = 5.051 HZ K = .166

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0051	62.0	.0133
30.06	22.78	.0030	115.9	.0078
38.85	61.52	.0819	159.9	.2136
47.35	61.52	.0879	172.4	.2293
49.25	82.00	.1628	173.3	.4245
57.43	84.10	.2027	169.0	.5287
54.19	91.72	.2259	174.0	.5891
60.96	92.00	.2532	169.3	.6603
61.95	107.00	.4586	168.0	1.1962
67.65	107.00	.4852	169.9	1.2655

Table 5. Continued

TDT TEST 367

POINT NUMBER 541 MACH = .701 RN = 4.244*10E6 H = 950.375 PSF ALPHA = 2.016 DEG
 Q = 201.033 PSF GAMMA = 1.132 P = 723.050 PSF
 DELTA (MEAN) = .052 DEG DELTA (AMPL) = .993 DEG OSCILLATION FREQUENCY = 15.094 HZ K = .496

ANALYZED VALUES : DELTA (MEAN) = -.012 DEG DELTA (AMPL) = .989 DEG OSCILLATION FREQUENCY = 15.075 HZ K = .495

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0014	51.4	.0327
30.06	22.78	.0015	26.8	.0357
38.85	61.52	.0136	18.3	.3164
47.35	61.52	.0180	19.9	.4176
49.25	82.00	.0301	19.2	.6996
57.43	84.10	.0322	18.7	.7481
54.19	91.72	.0377	19.7	.8760
60.96	92.00	.0427	18.0	.9926
61.95	107.00	.0723	19.6	1.6805
67.65	107.00	.0746	20.3	1.7344

Table 5. Continued

TDT TEST 367

POINT NUMBER 542 MACH = .702 RN = 4.250*10E6 H = 951.100 PSF ALPHA = 2.016 DEG
 Q = 201.721 PSF GAMMA = 1.132 P = 722.900 PSF
 DELTA (MEAN) = -.190 DEG DELTA (AMPL) = 2.055 DEG OSCILLATION FREQUENCY = 15.094 HZ K = .495

ANALYZED VALUES : DELTA (MEAN) = -.092 DEG DELTA (AMPL) = 2.058 DEG OSCILLATION FREQUENCY = 15.075 HZ K = .494

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0018	11.9	.0424
30.06	22.78	.0023	7.8	.0539
38.85	61.52	.0299	16.5	.6939
47.35	61.52	.0339	14.7	.7887
49.25	82.00	.0630	15.8	1.4639
57.43	84.10	.0721	16.6	1.6764
54.19	91.72	.0779	15.5	1.8099
60.96	92.00	.0923	16.7	2.1442
61.95	107.00	.1542	17.8	3.5844
67.65	107.00	.1598	18.6	3.7141

Table 5. Continued

TDT TEST 367

POINT NUMBER 543 MACH = .701 RN = 4.243*10E6 H = 950.600 PSF ALPHA = 2.016 DEG
 Q = 201.038 PSF GAMMA = 1.132 P = 723.275 PSF
 DELTA (MEAN) = .005 DEG DELTA (AMPL) = 3.028 DEG OSCILLATION FREQUENCY = 15.094 HZ K = .496

ANALYZED VALUES : DELTA (MEAN) = -.156 DEG DELTA (AMPL) = 3.038 DEG OSCILLATION FREQUENCY = 15.071 HZ K = .495

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0033	13.4	.0771
30.06	22.78	.0038	11.2	.0883
38.85	61.52	.0426	15.9	.9888
47.35	61.52	.0501	16.1	1.1632
49.25	82.00	.0938	14.9	2.1781
57.43	84.10	.1053	15.3	2.4461
54.19	91.72	.1147	15.5	2.6629
60.96	92.00	.1322	16.1	3.0705
61.95	107.00	.2246	17.0	5.2152
67.65	107.00	.2326	17.9	5.4023

Table 5. Continued

TDT TEST 367

POINT NUMBER 544 MACH = .700 RN = 4.243*10E6 H = 950.825 PSF ALPHA = 2.015 DEG
 Q = 200.953 PSF GAMMA = 1.132 P = 723.625 PSF
 DELTA (MEAN) = -.005 DEG DELTA (AMPL) = .987 DEG OSCILLATION FREQUENCY = 20.073 HZ K = .659

ANALYZED VALUES : DELTA (MEAN) = -.023 DEG DELTA (AMPL) = .973 DEG OSCILLATION FREQUENCY = 20.074 HZ K = .659

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0005	-.2	.0224
30.06	22.78	.0008	-8.2	.0334
38.85	61.52	.0072	7.1	.2979
47.35	61.52	.0082	6.9	.3364
49.25	82.00	.0141	10.6	.5807
57.43	84.10	.0154	12.4	.6363
54.19	91.72	.0160	13.0	.6606
60.96	92.00	.0181	11.2	.7441
61.95	107.00	.0296	18.5	1.2183
67.65	107.00	.0299	18.5	1.2300

Table 5. Continued

TDT TEST 367

POINT NUMBER 545 MACH = .699 RN = 4.239*10E6 H = 950.625 PSF ALPHA = 2.015 DEG
 Q = 200.475 PSF GAMMA = 1.132 P = 724.050 PSF
 DELTA (MEAN) = -.104 DEG DELTA (AMPL) = 2.078 DEG OSCILLATION FREQUENCY = 20.073 HZ K = .660

ANALYZED VALUES : DELTA (MEAN) = -.118 DEG DELTA (AMPL) = 2.067 DEG OSCILLATION FREQUENCY = 20.074 HZ K = .660

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0014	2.5	.0593
30.06	22.78	.0016	9.3	.0667
38.85	61.52	.0162	7.9	.6661
47.35	61.52	.0174	8.4	.7155
49.25	82.00	.0306	10.0	1.2621
57.43	84.10	.0324	8.9	1.3364
54.19	91.72	.0349	9.6	1.4389
60.96	92.00	.0386	9.8	1.5896
61.95	107.00	.0619	15.5	2.5519
67.65	107.00	.0624	14.9	2.5693

Table 5. Continued

TDT TEST 367

POINT NUMBER 546 MACH = .701 RN = 4.248*10E6 H = 951.225 PSF ALPHA = 2.017 DEG
 Q = 201.361 PSF GAMMA = 1.132 P = 723.500 PSF
 DELTA (MEAN) = -.199 DEG DELTA (AMPL) = 3.047 DEG OSCILLATION FREQUENCY = 20.073 HZ K = .659

ANALYZED VALUES : DELTA (MEAN) = -.211 DEG DELTA (AMPL) = 3.040 DEG OSCILLATION FREQUENCY = 20.060 HZ K = .658

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0020	2.1	.0817
30.06	22.78	.0023	5.6	.0963
38.85	61.52	.0239	6.3	.9820
47.35	61.52	.0261	6.8	1.0732
49.25	82.00	.0439	8.1	1.8051
57.43	84.10	.0475	9.1	1.9544
54.19	91.72	.0509	8.8	2.0945
60.96	92.00	.0568	9.2	2.3384
61.95	107.00	.0923	14.1	3.7988
67.65	107.00	.0932	13.9	3.8365

Table 5. Continued

TDT TEST 367

POINT NUMBER 577 MACH = .601 RN = 5.033*10E6 H = 1210.925 PSF ALPHA = -.023 DEG
 Q = 202.679 PSF GAMMA = 1.134 P = 989.075 PSF
 DELTA (MEAN) = -.014 DEG DELTA (AMPL) = 1.021 DEG OSCILLATION FREQUENCY = 5.054 HZ K = .195

ANALYZED VALUES : DELTA (MEAN) = -.088 DEG DELTA (AMPL) = 1.007 DEG OSCILLATION FREQUENCY = 5.035 HZ K = .194

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0072	150.8	.0187
30.06	22.78	.0064	140.4	.0165
38.85	61.52	.0222	-178.2	.0575
47.35	61.52	.0254	167.7	.0658
49.25	82.00	.0411	162.5	.1066
57.43	84.10	.0645	163.2	.1672
54.19	91.72	.0648	157.6	.1680
60.96	92.00	.0871	173.1	.2258
61.95	107.00	.1541	166.8	.3996
67.65	107.00	.1663	169.4	.4311

Table 5. Continued

TDT TEST 367

POINT NUMBER 578 MACH = .603 RN = 5.036*10E6 H = 1213.250 PSF ALPHA = -.024 DEG
 Q = 204.113 PSF GAMMA = 1.134 P = 989.700 PSF
 DELTA (MEAN) = -.042 DEG DELTA (AMPL) = 2.087 DEG OSCILLATION FREQUENCY = 5.054 HZ K = .194

ANALYZED VALUES : DELTA (MEAN) = -.159 DEG DELTA (AMPL) = 2.076 DEG OSCILLATION FREQUENCY = 5.040 HZ K = .193

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0016	129.0	.0043
30.06	22.78	.0094	-163.8	.0245
38.85	61.52	.0320	141.9	.0832
47.35	61.52	.0602	174.5	.1563
49.25	82.00	.1171	165.2	.3043
57.43	84.10	.1520	163.0	.3947
54.19	91.72	.1680	165.7	.4364
60.96	92.00	.1892	167.4	.4916
61.95	107.00	.3266	166.3	.8483
67.65	107.00	.3424	167.5	.8894

Table 5. Continued

TDT TEST 367

POINT NUMBER 579 MACH = .601 RN = 5.018*10E6 H = 1213.875 PSF ALPHA = -.023 DEG
 Q = 203.033 PSF GAMMA = 1.134 P = 991.650 PSF
 DELTA (MEAN) = .011 DEG DELTA (AMPL) = 2.978 DEG OSCILLATION FREQUENCY = 5.051 HZ K = .194

ANALYZED VALUES : DELTA (MEAN) = -.209 DEG DELTA (AMPL) = 2.988 DEG OSCILLATION FREQUENCY = 5.035 HZ K = .194

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0024	-134.8	.0062
30.06	22.78	.0075	163.2	.0194
38.85	61.52	.0529	172.3	.1371
47.35	61.52	.0946	173.3	.2451
49.25	82.00	.1685	169.6	.4369
57.43	84.10	.2130	167.5	.5523
54.19	91.72	.2282	169.1	.5917
60.96	92.00	.2807	168.2	.7277
61.95	107.00	.4742	166.5	1.2295
67.65	107.00	.4998	167.7	1.2958

Table 5. Continued

TDT TEST 367

POINT NUMBER 580 MACH = .601 RN = 5.012*10E6 H = 1214.375 PSF ALPHA = -.025 DEG
 Q = 202.928 PSF GAMMA = 1.134 P = 992.300 PSF
 DELTA (MEAN) = -.018 DEG DELTA (AMPL) = .988 DEG OSCILLATION FREQUENCY = 15.069 HZ K = .580

ANALYZED VALUES : DELTA (MEAN) = -.127 DEG DELTA (AMPL) = .980 DEG OSCILLATION FREQUENCY = 15.040 HZ K = .579

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0010	-8.5	.0228
30.06	22.78	.0013	20.4	.0297
38.85	61.52	.0153	21.2	.3538
47.35	61.52	.0163	20.5	.3759
49.25	82.00	.0291	16.0	.6724
57.43	84.10	.0352	19.6	.8131
54.19	91.72	.0368	18.9	.8508
60.96	92.00	.0447	21.0	1.0335
61.95	107.00	.0749	21.9	1.7322
67.65	107.00	.0778	22.1	1.8004

Table 5. Continued

TDT TEST 367

POINT NUMBER 583 MACH = .603 RN = 5.036*10E6 H = 1215.400 PSF ALPHA = -.025 DEG
 Q = 204.254 PSF GAMMA = 1.134 P = 991.725 PSF
 DELTA (MEAN) = -.127 DEG DELTA (AMPL) = 1.987 DEG OSCILLATION FREQUENCY = 15.017 HZ K = .576

ANALYZED VALUES : DELTA (MEAN) = -.219 DEG DELTA (AMPL) = 1.997 DEG OSCILLATION FREQUENCY = 15.030 HZ K = .577

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0028	19.0	.0657
30.06	22.78	.0031	17.9	.0707
38.85	61.52	.0275	17.0	.6357
47.35	61.52	.0338	17.0	.7805
49.25	82.00	.0623	20.0	1.4390
57.43	84.10	.0714	20.6	1.6482
54.19	91.72	.0770	20.6	1.7785
60.96	92.00	.0896	20.5	2.0698
61.95	107.00	.1536	21.8	3.5486
67.65	107.00	.1603	22.3	3.7022

Table 5. Continued

TDT TEST 367

POINT NUMBER 584 MACH = .602 RN = 5.025*10E6 H = 1216.225 PSF ALPHA = -.024 DEG
 Q = 204.060 PSF GAMMA = 1.134 P = 992.800 PSF
 DELTA (MEAN) = -.180 DEG DELTA (AMPL) = 3.086 DEG OSCILLATION FREQUENCY = 15.017 HZ K = .576

ANALYZED VALUES : DELTA (MEAN) = -.286 DEG DELTA (AMPL) = 3.086 DEG OSCILLATION FREQUENCY = 15.025 HZ K = .577

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0034	8.7	.0791
30.06	22.78	.0041	8.5	.0947
38.85	61.52	.0460	17.9	1.0626
47.35	61.52	.0521	18.9	1.2031
49.25	82.00	.0984	18.3	2.2710
57.43	84.10	.1130	19.6	2.6086
54.19	91.72	.1210	18.7	2.7942
60.96	92.00	.1422	20.0	3.2829
61.95	107.00	.2411	20.8	5.5662
67.65	107.00	.2516	21.2	5.8085

Table 5. Continued

TDT TEST 367

POINT NUMBER 585 MACH = .601 RN = 5.013*10E6 H = 1217.050 PSF ALPHA = -.023 DEG
 Q = 203.377 PSF GAMMA = 1.133 P = 994.475 PSF
 DELTA (MEAN) = -.056 DEG DELTA (AMPL) = 1.022 DEG OSCILLATION FREQUENCY = 20.202 HZ K = .777

ANALYZED VALUES : DELTA (MEAN) = -.148 DEG DELTA (AMPL) = 1.012 DEG OSCILLATION FREQUENCY = 20.161 HZ K = .775

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0010	14.9	.0432
30.06	22.78	.0011	8.5	.0449
38.85	61.52	.0077	10.4	.3203
47.35	61.52	.0090	11.1	.3732
49.25	82.00	.0148	12.9	.6154
57.43	84.10	.0159	13.7	.6599
54.19	91.72	.0165	13.5	.6870
60.96	92.00	.0182	15.4	.7552
61.95	107.00	.0294	21.5	1.2219
67.65	107.00	.0297	21.5	1.2341

Table 5. Continued

TDT TEST 367

POINT NUMBER 586 MACH = .600 RN = 5.004*10E6 H = 1217.325 PSF ALPHA = -.025 DEG
 Q = 202.890 PSF GAMMA = 1.133 P = 995.350 PSF
 DELTA (MEAN) = -.127 DEG DELTA (AMPL) = 2.046 DEG OSCILLATION FREQUENCY = 20.205 HZ K = .778

ANALYZED VALUES : DELTA (MEAN) = -.235 DEG DELTA (AMPL) = 2.058 DEG OSCILLATION FREQUENCY = 20.161 HZ K = .776

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0015	5.2	.0626
30.06	22.78	.0017	6.5	.0714
38.85	61.52	.0160	9.9	.6653
47.35	61.52	.0173	10.1	.7188
49.25	82.00	.0289	11.0	1.2012
57.43	84.10	.0313	11.9	1.3020
54.19	91.72	.0334	13.0	1.3879
60.96	92.00	.0370	13.3	1.5387
61.95	107.00	.0604	18.6	2.5107
67.65	107.00	.0609	20.2	2.5331

Table 5. Continued

TDT TEST 367

POINT NUMBER 587 MACH = .603 RN = 5.023*10E6 H = 1219.100 PSF ALPHA = -.023 DEG
 Q = 204.684 PSF GAMMA = 1.133 P = 994.975 PSF
 DELTA (MEAN) = -.232 DEG DELTA (AMPL) = 2.993 DEG OSCILLATION FREQUENCY = 20.134 HZ K = .771

ANALYZED VALUES : DELTA (MEAN) = -.325 DEG DELTA (AMPL) = 3.007 DEG OSCILLATION FREQUENCY = 20.161 HZ K = .772

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0020	7.5	.0847
30.06	22.78	.0027	5.7	.1132
38.85	61.52	.0236	8.2	.9824
47.35	61.52	.0259	10.2	1.0748
49.25	82.00	.0435	9.8	1.8100
57.43	84.10	.0468	10.8	1.9443
54.19	91.72	.0495	11.5	2.0591
60.96	92.00	.0547	12.4	2.2745
61.95	107.00	.0894	17.9	3.7166
67.65	107.00	.0908	17.6	3.7739

Table 5. Continued

TDT TEST 367

POINT NUMBER 590 MACH = .600 RN = 5.023*10E6 H = 1216.750 PSF ALPHA = 2.008 DEG
 Q = 203.102 PSF GAMMA = 1.134 P = 994.500 PSF
 DELTA (MEAN) = -.004 DEG DELTA (AMPL) = 1.012 DEG OSCILLATION FREQUENCY = 5.036 HZ K = .194

ANALYZED VALUES : DELTA (MEAN) = -.078 DEG DELTA (AMPL) = 1.000 DEG OSCILLATION FREQUENCY = 5.040 HZ K = .194

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0118	-51.3	.0306
30.06	22.78	.0051	-6.8	.0131
38.85	61.52	.0250	-156.2	.0649
47.35	61.52	.0377	167.5	.0980
49.25	82.00	.0653	152.5	.1697
57.43	84.10	.0703	165.2	.1826
54.19	91.72	.0947	161.4	.2461
60.96	92.00	.0874	164.0	.2269
61.95	107.00	.1553	168.4	.4035
67.65	107.00	.1609	170.9	.4179

Table 5. Continued

TDT TEST 367

POINT NUMBER 591 MACH = .600 RN = 5.015*10E6 H = 1218.000 PSF ALPHA = 2.006 DEG
 Q = 203.273 PSF GAMMA = 1.133 P = 995.575 PSF
 DELTA (MEAN) = -.112 DEG DELTA (AMPL) = 2.054 DEG OSCILLATION FREQUENCY = 5.036 HZ K = .194

ANALYZED VALUES : DELTA (MEAN) = -.139 DEG DELTA (AMPL) = 2.060 DEG OSCILLATION FREQUENCY = 5.040 HZ K = .194

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0134	-169.0	.0348
30.06	22.78	.0067	-163.0	.0173
38.85	61.52	.0565	169.4	.1467
47.35	61.52	.0553	159.4	.1436
49.25	82.00	.1125	171.7	.2924
57.43	84.10	.1329	169.5	.3453
54.19	91.72	.1385	164.7	.3598
60.96	92.00	.1651	166.0	.4290
61.95	107.00	.3116	166.4	.8095
67.65	107.00	.3369	168.2	.8753

Table 5. Continued

TDT TEST 367

POINT NUMBER 592 MACH = .604 RN = 5.036*10E6 H = 1219.625 PSF ALPHA = 2.007 DEG
 Q = 205.611 PSF GAMMA = 1.133 P = 994.375 PSF
 DELTA (MEAN) = -.202 DEG DELTA (AMPL) = 3.014 DEG OSCILLATION FREQUENCY = 5.036 HZ K = .192

ANALYZED VALUES : DELTA (MEAN) = -.189 DEG DELTA (AMPL) = 3.014 DEG OSCILLATION FREQUENCY = 5.040 HZ K = .193

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0031	-163.0	.0082
30.06	22.78	.0059	135.7	.0155
38.85	61.52	.0843	161.2	.2190
47.35	61.52	.0985	164.2	.2559
49.25	82.00	.1616	165.1	.4197
57.43	84.10	.1875	167.4	.4872
54.19	91.72	.2204	164.4	.5725
60.96	92.00	.2492	167.3	.6475
61.95	107.00	.4670	166.2	1.2132
67.65	107.00	.4970	167.8	1.2910

Table 5. Continued

TDT TEST 367

POINT NUMBER 593 MACH = .605 RN = 5.041*10E6 H = 1221.300 PSF ALPHA = 2.008 DEG
 Q = 206.543 PSF GAMMA = 1.133 P = 994.950 PSF
 DELTA (MEAN) = -.026 DEG DELTA (AMPL) = .995 DEG OSCILLATION FREQUENCY = 15.017 HZ K = .573

ANALYZED VALUES : DELTA (MEAN) = -.111 DEG DELTA (AMPL) = .990 DEG OSCILLATION FREQUENCY = 15.025 HZ K = .573

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0009	3.9	.0211
30.06	22.78	.0014	26.5	.0329
38.85	61.52	.0140	21.5	.3242
47.35	61.52	.0170	21.9	.3915
49.25	82.00	.0319	17.2	.7360
57.43	84.10	.0359	20.6	.8281
54.19	91.72	.0397	19.6	.9160
60.96	92.00	.0452	20.6	1.0435
61.95	107.00	.0769	21.3	1.7762
67.65	107.00	.0801	21.5	1.8494

Table 5. Continued

TDT TEST 367

POINT NUMBER 599 MACH = .601 RN = 5.014*10E6 H = 1220.575 PSF ALPHA = 2.017 DEG
 Q = 203.967 PSF GAMMA = 1.133 P = 997.350 PSF
 DELTA (MEAN) = -.120 DEG DELTA (AMPL) = 2.034 DEG OSCILLATION FREQUENCY = 20.000 HZ K = .768

ANALYZED VALUES : DELTA (MEAN) = -.217 DEG DELTA (AMPL) = 2.052 DEG OSCILLATION FREQUENCY = 20.013 HZ K = .769

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0015	10.0	.0621
30.06	22.78	.0019	7.6	.0758
38.85	61.52	.0158	10.6	.6490
47.35	61.52	.0175	11.2	.7178
49.25	82.00	.0295	10.8	1.2094
57.43	84.10	.0315	11.1	1.2902
54.19	91.72	.0339	12.1	1.3865
60.96	92.00	.0370	10.8	1.5162
61.95	107.00	.0597	16.9	2.4448
67.65	107.00	.0603	16.5	2.4702

Table 5. Continued

TDT TEST 367

POINT NUMBER 600 MACH = .604 RN = 5.033*10E6 H = 1222.250 PSF ALPHA = 2.016 DEG
 Q = 205.845 PSF GAMMA = 1.133 P = 996.775 PSF
 DELTA (MEAN) = -.219 DEG DELTA (AMPL) = 3.003 DEG OSCILLATION FREQUENCY = 20.000 HZ K = .764

ANALYZED VALUES : DELTA (MEAN) = -.317 DEG DELTA (AMPL) = 3.007 DEG OSCILLATION FREQUENCY = 20.013 HZ K = .765

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0021	-.1	.0866
30.06	22.78	.0028	2.3	.1133
38.85	61.52	.0233	8.2	.9530
47.35	61.52	.0259	9.4	1.0592
49.25	82.00	.0436	11.0	1.7852
57.43	84.10	.0465	11.1	1.9041
54.19	91.72	.0497	11.4	2.0346
60.96	92.00	.0535	11.9	2.1932
61.95	107.00	.0889	17.0	3.6412
67.65	107.00	.0898	16.7	3.6788

Table 5. Continued

TDT TEST 367

POINT NUMBER 808 MACH = .847 RN = 1.821*10E6 H = 367.375 PSF ALPHA = -.001 DEG
 Q = 100.348 PSF GAMMA = 1.132 P = 247.225 PSF
 DELTA (MEAN) = -.049 DEG DELTA (AMPL) = 1.022 DEG OSCILLATION FREQUENCY = 5.063 HZ K = .139

ANALYZED VALUES : DELTA (MEAN) = -.010 DEG DELTA (AMPL) = 1.018 DEG OSCILLATION FREQUENCY = 5.045 HZ K = .138

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0039	-177.6	.0101
30.06	22.78	.0026	-178.6	.0066
38.85	61.52	.0113	162.4	.0293
47.35	61.52	.0321	172.4	.0835
49.25	82.00	.0357	-177.6	.0930
57.43	84.10	.0522	176.5	.1358
54.19	91.72	.0666	174.7	.1734
60.96	92.00	.0722	177.8	.1879
61.95	107.00	.1165	173.8	.3033
67.65	107.00	.1297	173.9	.3376

Table 5. Continued

TDT TEST 367

POINT NUMBER 809 MACH = .850 RN = 1.824*10E6 H = 367.675 PSF ALPHA = -.001 DEG
 Q = 100.896 PSF GAMMA = 1.132 P = 246.700 PSF
 DELTA (MEAN) = -.277 DEG DELTA (AMPL) = 1.967 DEG OSCILLATION FREQUENCY = 5.038 HZ K = .137

ANALYZED VALUES : DELTA (MEAN) = -.059 DEG DELTA (AMPL) = 1.998 DEG OSCILLATION FREQUENCY = 5.051 HZ K = .138

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0046	-125.4	.0121
30.06	22.78	.0060	-158.3	.0157
38.85	61.52	.0273	173.3	.0712
47.35	61.52	.0423	173.3	.1103
49.25	82.00	.0857	174.7	.2236
57.43	84.10	.1071	176.6	.2793
54.19	91.72	.1243	176.1	.3242
60.96	92.00	.1441	176.6	.3758
61.95	107.00	.2359	172.6	.6154
67.65	107.00	.2506	173.0	.6535

Table 5. Continued

TDT TEST 367

POINT NUMBER 810 MACH = .848 RN = 1.823*10E6 H = 367.675 PSF ALPHA = -.001 DEG
 Q = 100.559 PSF GAMMA = 1.132 P = 247.225 PSF
 DELTA (MEAN) = -.359 DEG DELTA (AMPL) = 3.004 DEG OSCILLATION FREQUENCY = 5.051 HZ K = .138

ANALYZED VALUES : DELTA (MEAN) = -.106 DEG DELTA (AMPL) = 3.024 DEG OSCILLATION FREQUENCY = 5.051 HZ K = .138

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0051	115.9	.0133
30.06	22.78	.0062	138.4	.0163
38.85	61.52	.0460	170.7	.1199
47.35	61.52	.0693	176.8	.1808
49.25	82.00	.1313	172.9	.3426
57.43	84.10	.1611	172.1	.4203
54.19	91.72	.1848	173.2	.4819
60.96	92.00	.2067	172.4	.5392
61.95	107.00	.3576	171.0	.9328
67.65	107.00	.3791	171.3	.9888

Table 5. Continued

TDT TEST 367

POINT NUMBER 811 MACH = .849 RN = 1.824*10E6 H = 367.750 PSF ALPHA = -.001 DEG
 Q = 100.756 PSF GAMMA = 1.132 P = 247.000 PSF
 DELTA (MEAN) = -.026 DEG DELTA (AMPL) = 1.012 DEG OSCILLATION FREQUENCY = 14.957 HZ K = .409

ANALYZED VALUES : DELTA (MEAN) = -.020 DEG DELTA (AMPL) = 1.008 DEG OSCILLATION FREQUENCY = 14.965 HZ K = .409

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0009	-19.7	.0201
30.06	22.78	.0010	-15.5	.0222
38.85	61.52	.0097	.3	.2210
47.35	61.52	.0103	1.1	.2366
49.25	82.00	.0199	-2.8	.4546
57.43	84.10	.0221	-.8	.5065
54.19	91.72	.0235	-2.0	.5374
60.96	92.00	.0275	-1.6	.6305
61.95	107.00	.0462	-.7	1.0576
67.65	107.00	.0475	-1.4	1.0887

Table 5. Continued

TDT TEST 367

POINT NUMBER 812 MACH = .850 RN = 1.825*10E6 H = 367.825 PSF ALPHA = -.001 DEG
 Q = 100.843 PSF GAMMA = 1.132 P = 246.950 PSF
 DELTA (MEAN) = -.071 DEG DELTA (AMPL) = 2.036 DEG OSCILLATION FREQUENCY = 14.957 HZ K = .408

ANALYZED VALUES : DELTA (MEAN) = -.074 DEG DELTA (AMPL) = 2.042 DEG OSCILLATION FREQUENCY = 14.975 HZ K = .409

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0013	-19.6	.0287
30.06	22.78	.0016	-6.6	.0372
38.85	61.52	.0180	-1.5	.4133
47.35	61.52	.0190	-2.0	.4358
49.25	82.00	.0382	-3.0	.8770
57.43	84.10	.0427	-1.5	.9779
54.19	91.72	.0453	-3.1	1.0392
60.96	92.00	.0521	-2.2	1.1948
61.95	107.00	.0872	-1.4	1.9992
67.65	107.00	.0894	-1.8	2.0506

Table 5. Continued

TDT TEST 367

POINT NUMBER 813 MACH = .851 RN = 1.825*10E6 H = 367.825 PSF ALPHA = -.001 DEG
 Q = 100.987 PSF GAMMA = 1.132 P = 246.725 PSF
 DELTA (MEAN) = .002 DEG DELTA (AMPL) = 3.046 DEG OSCILLATION FREQUENCY = 14.957 HZ K = .408

ANALYZED VALUES : DELTA (MEAN) = -.101 DEG DELTA (AMPL) = 3.051 DEG OSCILLATION FREQUENCY = 14.980 HZ K = .409

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0021	-12.7	.0482
30.06	22.78	.0027	-7.4	.0617
38.85	61.52	.0263	-2.1	.6030
47.35	61.52	.0301	-2.6	.6909
49.25	82.00	.0558	-2.2	1.2796
57.43	84.10	.0619	-1.1	1.4206
54.19	91.72	.0676	-1.7	1.5522
60.96	92.00	.0774	-1.5	1.7770
61.95	107.00	.1311	-1.0	3.0077
67.65	107.00	.1349	-1.3	3.0954

Table 5. Continued

TDT TEST 367

POINT NUMBER 814 MACH = .846 RN = 1.821*10E6 H = 367.625 PSF ALPHA = -.001 DEG
 Q = 100.313 PSF GAMMA = 1.132 P = 247.550 PSF
 DELTA (MEAN) = -.009 DEG DELTA (AMPL) = 1.036 DEG OSCILLATION FREQUENCY = 20.042 HZ K = .549

ANALYZED VALUES : DELTA (MEAN) = -.031 DEG DELTA (AMPL) = 1.018 DEG OSCILLATION FREQUENCY = 20.034 HZ K = .549

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0005	3.1	.0204
30.06	22.78	.0006	-2.2	.0230
38.85	61.52	.0048	-8.3	.1966
47.35	61.52	.0057	-4.8	.2319
49.25	82.00	.0089	-3.2	.3673
57.43	84.10	.0094	-9.5	.3838
54.19	91.72	.0097	-8.2	.3971
60.96	92.00	.0108	-10.9	.4451
61.95	107.00	.0169	-7.0	.6927
67.65	107.00	.0167	-9.1	.6845

Table 5. Continued

TDT TEST 367

POINT NUMBER 815 MACH = .853 RN = 1.829*10E6 H = 368.425 PSF ALPHA = -.001 DEG
 Q = 101.521 PSF GAMMA = 1.132 P = 246.550 PSF
 DELTA (MEAN) = -.048 DEG DELTA (AMPL) = 2.007 DEG OSCILLATION FREQUENCY = 20.042 HZ K = .545

ANALYZED VALUES : DELTA (MEAN) = -.072 DEG DELTA (AMPL) = 2.002 DEG OSCILLATION FREQUENCY = 20.034 HZ K = .545

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0009	-8.0	.0375
30.06	22.78	.0012	-8.2	.0493
38.85	61.52	.0100	-6.0	.4095
47.35	61.52	.0109	-5.8	.4457
49.25	82.00	.0179	-8.1	.7328
57.43	84.10	.0185	-8.7	.7602
54.19	91.72	.0196	-8.5	.8059
60.96	92.00	.0214	-11.6	.8783
61.95	107.00	.0332	-7.9	1.3633
67.65	107.00	.0327	-10.3	1.3420

Table 5. Continued

TDT TEST 367

POINT NUMBER 816 MACH = .851 RN = 1.827*10E6 H = 368.325 PSF ALPHA = -.001 DEG
 Q = 101.225 PSF GAMMA = 1.132 P = 246.900 PSF
 DELTA (MEAN) = -.083 DEG DELTA (AMPL) = 3.018 DEG OSCILLATION FREQUENCY = 20.000 HZ K = .545

ANALYZED VALUES : DELTA (MEAN) = -.107 DEG DELTA (AMPL) = 3.027 DEG OSCILLATION FREQUENCY = 20.034 HZ K = .546

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0015	-5.2	.0626
30.06	22.78	.0018	-5.3	.0737
38.85	61.52	.0150	-5.3	.6154
47.35	61.52	.0162	-5.3	.6637
49.25	82.00	.0272	-7.8	1.1157
57.43	84.10	.0281	-8.6	1.1530
54.19	91.72	.0297	-7.8	1.2180
60.96	92.00	.0322	-10.1	1.3216
61.95	107.00	.0511	-6.7	2.0987
67.65	107.00	.0505	-8.9	2.0717

Table 5. Continued

TDT TEST 367

POINT NUMBER 817 MACH = .851 RN = 1.827*10E6 H = 368.600 PSF ALPHA = 2.016 DEG
 Q = 101.212 PSF GAMMA = 1.132 P = 247.225 PSF
 DELTA (MEAN) = .021 DEG DELTA (AMPL) = .996 DEG OSCILLATION FREQUENCY = 4.988 HZ K = .136

ANALYZED VALUES : DELTA (MEAN) = -.031 DEG DELTA (AMPL) = .988 DEG OSCILLATION FREQUENCY = 4.979 HZ K = .136

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0028	-150.5	.0071
30.06	22.78	.0012	111.0	.0031
38.85	61.52	.0090	-152.5	.0227
47.35	61.52	.0196	172.5	.0497
49.25	82.00	.0373	-172.4	.0944
57.43	84.10	.0396	168.0	.1004
54.19	91.72	.0522	-167.4	.1324
60.96	92.00	.0412	157.9	.1045
61.95	107.00	.1031	175.2	.2614
67.65	107.00	.1054	176.6	.2672

Table 5. Continued

TDT TEST 367

POINT NUMBER 818 MACH = .850 RN = 1.826*10E6 H = 368.600 PSF ALPHA = 2.016 DEG
 Q = 101.180 PSF GAMMA = 1.132 P = 247.275 PSF
 DELTA (MEAN) = .201 DEG DELTA (AMPL) = 1.983 DEG OSCILLATION FREQUENCY = 4.963 HZ K = .135

ANALYZED VALUES : DELTA (MEAN) = -.087 DEG DELTA (AMPL) = 2.011 DEG OSCILLATION FREQUENCY = 4.974 HZ K = .136

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0023	-132.0	.0059
30.06	22.78	.0052	148.7	.0132
38.85	61.52	.0262	174.9	.0664
47.35	61.52	.0394	-174.4	.0997
49.25	82.00	.0735	176.7	.1859
57.43	84.10	.0902	173.1	.2283
54.19	91.72	.1036	174.2	.2621
60.96	92.00	.1166	174.9	.2949
61.95	107.00	.2151	174.0	.5443
67.65	107.00	.2300	174.3	.5820

Table 5. Continued

TDT TEST 367

POINT NUMBER 819 MACH = .850 RN = 1.825*10E6 H = 368.600 PSF ALPHA = 2.016 DEG
 Q = 101.115 PSF GAMMA = 1.132 P = 247.375 PSF
 DELTA (MEAN) = .262 DEG DELTA (AMPL) = 2.993 DEG OSCILLATION FREQUENCY = 4.988 HZ K = .136

ANALYZED VALUES : DELTA (MEAN) = -.128 DEG DELTA (AMPL) = 3.013 DEG OSCILLATION FREQUENCY = 4.979 HZ K = .136

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0020	-153.9	.0051
30.06	22.78	.0053	-178.6	.0134
38.85	61.52	.0401	169.0	.1017
47.35	61.52	.0738	173.8	.1871
49.25	82.00	.1110	178.1	.2813
57.43	84.10	.1650	178.8	.4182
54.19	91.72	.1586	177.7	.4020
60.96	92.00	.2044	179.5	.5181
61.95	107.00	.3149	174.1	.7981
67.65	107.00	.3367	173.8	.8534

Table 5. Continued

TDT TEST 367

POINT NUMBER 820 MACH = .851 RN = 1.828*10E6 H = 368.925 PSF ALPHA = 2.016 DEG
 Q = 101.423 PSF GAMMA = 1.132 P = 247.250 PSF
 DELTA (MEAN) = -.006 DEG DELTA (AMPL) = 1.013 DEG OSCILLATION FREQUENCY = 15.021 HZ K = .409

ANALYZED VALUES : DELTA (MEAN) = -.036 DEG DELTA (AMPL) = 1.005 DEG OSCILLATION FREQUENCY = 15.071 HZ K = .410

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0007	13.0	.0161
30.06	22.78	.0011	-1.4	.0257
38.85	61.52	.0092	-2.2	.2131
47.35	61.52	.0094	.8	.2191
49.25	82.00	.0157	4.5	.3656
57.43	84.10	.0192	6.6	.4456
54.19	91.72	.0198	.5	.4589
60.96	92.00	.0235	.4	.5449
61.95	107.00	.0398	1.5	.9249
67.65	107.00	.0409	1.0	.9506

Table 5. Continued

TDT TEST 367

POINT NUMBER 821 MACH = .850 RN = 1.826*10E6 H = 368.750 PSF ALPHA = 2.016 DEG
 Q = 101.220 PSF GAMMA = 1.132 P = 247.375 PSF
 DELTA (MEAN) = -.017 DEG DELTA (AMPL) = 2.057 DEG OSCILLATION FREQUENCY = 15.054 HZ K = .410

ANALYZED VALUES : DELTA (MEAN) = -.085 DEG DELTA (AMPL) = 2.062 DEG OSCILLATION FREQUENCY = 15.060 HZ K = .411

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0010	-15.6	.0241
30.06	22.78	.0018	-15.9	.0427
38.85	61.52	.0162	4.1	.3765
47.35	61.52	.0199	4.2	.4611
49.25	82.00	.0330	1.4	.7663
57.43	84.10	.0370	3.8	.8582
54.19	91.72	.0414	2.0	.9605
60.96	92.00	.0470	3.4	1.0911
61.95	107.00	.0775	3.0	1.7967
67.65	107.00	.0796	2.7	1.8461

Table 5. Continued

TDT TEST 367

POINT NUMBER 822 MACH = .850 RN = 1.826*10E6 H = 368.975 PSF ALPHA = 2.016 DEG
 Q = 101.282 PSF GAMMA = 1.132 P = 247.525 PSF
 DELTA (MEAN) = .016 DEG DELTA (AMPL) = 2.992 DEG OSCILLATION FREQUENCY = 15.054 HZ K = .410

ANALYZED VALUES : DELTA (MEAN) = -.106 DEG DELTA (AMPL) = 2.983 DEG OSCILLATION FREQUENCY = 15.071 HZ K = .411

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0022	-9.8	.0501
30.06	22.78	.0023	-11.7	.0541
38.85	61.52	.0211	5.4	.4899
47.35	61.52	.0253	3.0	.5883
49.25	82.00	.0490	2.4	1.1382
57.43	84.10	.0515	2.4	1.1956
54.19	91.72	.0597	5.0	1.3870
60.96	92.00	.0632	2.2	1.4670
61.95	107.00	.1077	3.1	2.5010
67.65	107.00	.1102	2.7	2.5603

Table 5. Continued

TDT TEST 367

POINT NUMBER 823 MACH = .851 RN = 1.828*10E6 H = 369.125 PSF ALPHA = 2.017 DEG
 Q = 101.454 PSF GAMMA = 1.132 P = 247.425 PSF
 DELTA (MEAN) = -.020 DEG DELTA (AMPL) = .987 DEG OSCILLATION FREQUENCY = 19.958 HZ K = .543

ANALYZED VALUES : DELTA (MEAN) = -.045 DEG DELTA (AMPL) = .986 DEG OSCILLATION FREQUENCY = 19.953 HZ K = .543

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0004	-22.0	.0173
30.06	22.78	.0005	-12.2	.0218
38.85	61.52	.0041	.4	.1659
47.35	61.52	.0039	4.0	.1584
49.25	82.00	.0081	-3.1	.3314
57.43	84.10	.0080	-5.5	.3244
54.19	91.72	.0080	3.8	.3259
60.96	92.00	.0089	-1.6	.3607
61.95	107.00	.0151	6.0	.6132
67.65	107.00	.0148	4.4	.6039

Table 5. Continued

TDT TEST 367

POINT NUMBER 824 MACH = .852 RN = 1.828*10E6 H = 369.000 PSF ALPHA = 2.016 DEG
 Q = 101.540 PSF GAMMA = 1.132 P = 247.150 PSF
 DELTA (MEAN) = -.055 DEG DELTA (AMPL) = 2.050 DEG OSCILLATION FREQUENCY = 19.958 HZ K = .543

ANALYZED VALUES : DELTA (MEAN) = -.088 DEG DELTA (AMPL) = 2.044 DEG OSCILLATION FREQUENCY = 19.953 HZ K = .543

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0008	2.5	.0344
30.06	22.78	.0010	-1.5	.0421
38.85	61.52	.0087	1.6	.3550
47.35	61.52	.0093	-5.8	.3800
49.25	82.00	.0155	-2.3	.6301
57.43	84.10	.0172	-5.6	.6992
54.19	91.72	.0177	-5.6	.7187
60.96	92.00	.0196	-4.1	.7980
61.95	107.00	.0308	-1.9	1.2535
67.65	107.00	.0304	-3.4	1.2385

Table 5. Continued

TDT TEST 367

POINT NUMBER 825 MACH = .850 RN = 1.825*10E6 H = 368.800 PSF ALPHA = 2.016 DEG
 Q = 101.144 PSF GAMMA = 1.132 P = 247.550 PSF
 DELTA (MEAN) = -.091 DEG DELTA (AMPL) = 3.020 DEG OSCILLATION FREQUENCY = 19.958 HZ K = .544

ANALYZED VALUES : DELTA (MEAN) = -.112 DEG DELTA (AMPL) = 3.003 DEG OSCILLATION FREQUENCY = 19.953 HZ K = .544

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0014	9.4	.0555
30.06	22.78	.0016	2.4	.0640
38.85	61.52	.0136	-2.4	.5534
47.35	61.52	.0139	-2.7	.5639
49.25	82.00	.0242	-4.3	.9858
57.43	84.10	.0256	-5.7	1.0416
54.19	91.72	.0272	-6.0	1.1082
60.96	92.00	.0295	-6.0	1.1997
61.95	107.00	.0459	-2.9	1.8669
67.65	107.00	.0454	-3.9	1.8470

Table 5. Continued

TDT TEST 367

POINT NUMBER 826 MACH = .801 RN = 1.902*10E6 H = 392.400 PSF ALPHA = 2.018 DEG
 Q = 99.919 PSF GAMMA = 1.131 P = 275.025 PSF
 DELTA (MEAN) = -.042 DEG DELTA (AMPL) = 1.015 DEG OSCILLATION FREQUENCY = 5.042 HZ K = .146

ANALYZED VALUES : DELTA (MEAN) = -.045 DEG DELTA (AMPL) = 1.012 DEG OSCILLATION FREQUENCY = 5.040 HZ K = .146

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0023	-75.5	.0059
30.06	22.78	.0007	71.5	.0019
38.85	61.52	.0203	-178.8	.0528
47.35	61.52	.0235	171.2	.0612
49.25	82.00	.0292	172.5	.0759
57.43	84.10	.0381	174.9	.0990
54.19	91.72	.0357	167.4	.0928
60.96	92.00	.0495	177.9	.1286
61.95	107.00	.0996	170.1	.2587
67.65	107.00	.1083	171.5	.2813

Table 5. Continued

TDT TEST 367

POINT NUMBER 827 MACH = .801 RN = 1.901*10E6 H = 392.475 PSF ALPHA = 2.018 DEG
 Q = 99.837 PSF GAMMA = 1.131 P = 275.225 PSF
 DELTA (MEAN) = -.078 DEG DELTA (AMPL) = 2.021 DEG OSCILLATION FREQUENCY = 5.042 HZ K = .146

ANALYZED VALUES : DELTA (MEAN) = -.090 DEG DELTA (AMPL) = 2.009 DEG OSCILLATION FREQUENCY = 5.036 HZ K = .146

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0020	-110.4	.0052
30.06	22.78	.0024	-16.4	.0062
38.85	61.52	.0367	164.1	.0951
47.35	61.52	.0509	170.5	.1319
49.25	82.00	.0679	178.2	.1761
57.43	84.10	.0905	178.3	.2346
54.19	91.72	.0882	176.9	.2286
60.96	92.00	.1082	-179.2	.2806
61.95	107.00	.2040	173.4	.5288
67.65	107.00	.2184	173.5	.5663

Table 5. Continued

TDT TEST 367

POINT NUMBER 828 MACH = .801 RN = 1.903*10E6 H = 392.750 PSF ALPHA = 2.018 DEG
 Q = 100.020 PSF GAMMA = 1.131 P = 275.250 PSF
 DELTA (MEAN) = -.123 DEG DELTA (AMPL) = 3.043 DEG OSCILLATION FREQUENCY = 5.042 HZ K = .146

ANALYZED VALUES : DELTA (MEAN) = -.130 DEG DELTA (AMPL) = 3.030 DEG OSCILLATION FREQUENCY = 5.035 HZ K = .145

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0017	-85.1	.0043
30.06	22.78	.0032	133.5	.0083
38.85	61.52	.0493	-176.9	.1277
47.35	61.52	.0655	180.0	.1699
49.25	82.00	.1094	167.2	.2835
57.43	84.10	.1364	173.1	.3535
54.19	91.72	.1489	168.5	.3861
60.96	92.00	.1750	172.6	.4536
61.95	107.00	.3116	171.3	.8077
67.65	107.00	.3307	172.1	.8572

Table 5. Continued

TDT TEST 367

POINT NUMBER 829 MACH = .801 RN = 1.901*10E6 H = 392.475 PSF ALPHA = 2.018 DEG
 Q = 99.803 PSF GAMMA = 1.131 P = 275.275 PSF
 DELTA (MEAN) = -.024 DEG DELTA (AMPL) = 1.035 DEG OSCILLATION FREQUENCY = 15.010 HZ K = .434

ANALYZED VALUES : DELTA (MEAN) = -.040 DEG DELTA (AMPL) = 1.024 DEG OSCILLATION FREQUENCY = 15.025 HZ K = .434

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0002	9.9	.0050
30.06	22.78	.0005	-10.6	.0118
38.85	61.52	.0075	-2.7	.1735
47.35	61.52	.0081	.3	.1876
49.25	82.00	.0158	-2.6	.3639
57.43	84.10	.0176	.9	.4056
54.19	91.72	.0185	-.2	.4275
60.96	92.00	.0208	-.1	.4801
61.95	107.00	.0344	.2	.7942
67.65	107.00	.0350	-.7	.8079

Table 5. Continued

TDT TEST 367

POINT NUMBER 830 MACH = .801 RN = 1.902*10E6 H = 392.675 PSF ALPHA = 2.018 DEG
 Q = 99.983 PSF GAMMA = 1.131 P = 275.225 PSF
 DELTA (MEAN) = -.078 DEG DELTA (AMPL) = 2.019 DEG OSCILLATION FREQUENCY = 15.010 HZ K = .433

ANALYZED VALUES : DELTA (MEAN) = -.091 DEG DELTA (AMPL) = 2.013 DEG OSCILLATION FREQUENCY = 15.025 HZ K = .434

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0013	-6.6	.0307
30.06	22.78	.0017	2.8	.0384
38.85	61.52	.0159	1.1	.3673
47.35	61.52	.0185	1.1	.4264
49.25	82.00	.0331	1.5	.7638
57.43	84.10	.0371	.9	.8568
54.19	91.72	.0405	.7	.9356
60.96	92.00	.0466	.3	1.0761
61.95	107.00	.0778	1.4	1.7955
67.65	107.00	.0807	.7	1.8626

Table 5. Continued

TDT TEST 367

POINT NUMBER 831 MACH = .804 RN = 1.905*10E6 H = 392.775 PSF ALPHA = 2.018 DEG
 Q = 100.414 PSF GAMMA = 1.131 P = 274.700 PSF
 DELTA (MEAN) = -.116 DEG DELTA (AMPL) = 3.026 DEG OSCILLATION FREQUENCY = 15.010 HZ K = .432

ANALYZED VALUES : DELTA (MEAN) = -.119 DEG DELTA (AMPL) = 3.015 DEG OSCILLATION FREQUENCY = 15.020 HZ K = .432

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0022	-5.1	.0502
30.06	22.78	.0025	-8.1	.0584
38.85	61.52	.0232	-.2	.5346
47.35	61.52	.0269	1.1	.6205
49.25	82.00	.0490	-.3	1.1314
57.43	84.10	.0545	-.8	1.2569
54.19	91.72	.0600	.0	1.3837
60.96	92.00	.0676	-1.3	1.5594
61.95	107.00	.1132	.3	2.6103
67.65	107.00	.1172	-.8	2.7041

Table 5. Continued

TDT TEST 367

POINT NUMBER 832 MACH = .800 RN = 1.900*10E6 H = 392.625 PSF ALPHA = 2.018 DEG
 Q = 99.777 PSF GAMMA = 1.131 P = 275.475 PSF
 DELTA (MEAN) = -.020 DEG DELTA (AMPL) = 1.014 DEG OSCILLATION FREQUENCY = 20.081 HZ K = .581

ANALYZED VALUES : DELTA (MEAN) = -.050 DEG DELTA (AMPL) = 1.004 DEG OSCILLATION FREQUENCY = 20.095 HZ K = .581

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0006	-16.4	.0254
30.06	22.78	.0005	-13.5	.0216
38.85	61.52	.0044	-1.2	.1821
47.35	61.52	.0049	.6	.2018
49.25	82.00	.0075	-2.9	.3102
57.43	84.10	.0076	-2.2	.3136
54.19	91.72	.0081	.8	.3352
60.96	92.00	.0086	-4.9	.3571
61.95	107.00	.0133	.3	.5482
67.65	107.00	.0129	-2.9	.5317

Table 5. Continued

TDT TEST 367

POINT NUMBER 833 MACH = .802 RN = 1.904*10E6 H = 392.925 PSF ALPHA = 2.018 DEG
 Q = 100.217 PSF GAMMA = 1.131 P = 275.150 PSF
 DELTA (MEAN) = -.064 DEG DELTA (AMPL) = 2.037 DEG OSCILLATION FREQUENCY = 20.122 HZ K = .580

ANALYZED VALUES : DELTA (MEAN) = -.096 DEG DELTA (AMPL) = 2.043 DEG OSCILLATION FREQUENCY = 20.095 HZ K = .580

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0009	5.3	.0366
30.06	22.78	.0011	.3	.0473
38.85	61.52	.0088	.7	.3633
47.35	61.52	.0094	.5	.3871
49.25	82.00	.0157	-.9	.6463
57.43	84.10	.0164	-3.4	.6779
54.19	91.72	.0177	-1.9	.7320
60.96	92.00	.0186	-4.6	.7667
61.95	107.00	.0292	-.1	1.2064
67.65	107.00	.0289	-3.6	1.1912

Table 5. Continued

TDT TEST 367

POINT NUMBER 834 MACH = .800 RN = 1.901*10E6 H = 392.775 PSF ALPHA = 2.018 DEG
 Q = 99.852 PSF GAMMA = 1.131 P = 275.525 PSF
 DELTA (MEAN) = -.082 DEG DELTA (AMPL) = 2.989 DEG OSCILLATION FREQUENCY = 20.081 HZ K = .581

ANALYZED VALUES : DELTA (MEAN) = -.120 DEG DELTA (AMPL) = 2.982 DEG OSCILLATION FREQUENCY = 20.074 HZ K = .580

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0011	4.4	.0469
30.06	22.78	.0014	-2.5	.0570
38.85	61.52	.0122	1.8	.5014
47.35	61.52	.0130	-.3	.5374
49.25	82.00	.0220	-.5	.9052
57.43	84.10	.0230	-2.4	.9484
54.19	91.72	.0243	-2.0	1.0003
60.96	92.00	.0264	-4.1	1.0872
61.95	107.00	.0415	-.0	1.7103
67.65	107.00	.0415	-3.6	1.7084

Table 5. Continued

TDT TEST 367

POINT NUMBER 837 MACH = .800 RN = 1.900*10E6 H = 392.575 PSF ALPHA = -.005 DEG
 Q = 99.687 PSF GAMMA = 1.131 P = 275.550 PSF
 DELTA (MEAN) = -.020 DEG DELTA (AMPL) = 1.047 DEG OSCILLATION FREQUENCY = 5.000 HZ K = .145

ANALYZED VALUES : DELTA (MEAN) = -.047 DEG DELTA (AMPL) = 1.040 DEG OSCILLATION FREQUENCY = 5.005 HZ K = .145

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0040	164.2	.0103
30.06	22.78	.0040	177.9	.0101
38.85	61.52	.0110	-177.2	.0282
47.35	61.52	.0222	175.1	.0569
49.25	82.00	.0433	172.0	.1108
57.43	84.10	.0573	174.8	.1468
54.19	91.72	.0623	174.1	.1597
60.96	92.00	.0818	-179.8	.2094
61.95	107.00	.1204	175.4	.3085
67.65	107.00	.1278	175.8	.3274

Table 5. Continued

TDT TEST 367

POINT NUMBER 838 MACH = .801 RN = 1.903*10E6 H = 392.725 PSF ALPHA = -.004 DEG
 Q = 99.919 PSF GAMMA = 1.131 P = 275.375 PSF
 DELTA (MEAN) = -.029 DEG DELTA (AMPL) = 1.999 DEG OSCILLATION FREQUENCY = 5.000 HZ K = .144

ANALYZED VALUES : DELTA (MEAN) = -.089 DEG DELTA (AMPL) = 1.992 DEG OSCILLATION FREQUENCY = 5.005 HZ K = .145

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0042	159.5	.0108
30.06	22.78	.0045	-167.9	.0114
38.85	61.52	.0272	170.1	.0697
47.35	61.52	.0445	168.1	.1139
49.25	82.00	.0868	174.2	.2224
57.43	84.10	.1082	175.0	.2771
54.19	91.72	.1178	175.9	.3018
60.96	92.00	.1358	175.0	.3479
61.95	107.00	.2316	172.1	.5931
67.65	107.00	.2450	172.3	.6276

Table 5. Continued

TDT TEST 367

POINT NUMBER 839 MACH = .800 RN = 1.902*10E6 H = 392.750 PSF ALPHA = -.004 DEG
 Q = 99.816 PSF GAMMA = 1.131 P = 275.550 PSF
 DELTA (MEAN) = -.034 DEG DELTA (AMPL) = 3.042 DEG OSCILLATION FREQUENCY = 5.000 HZ K = .145

ANALYZED VALUES : DELTA (MEAN) = -.136 DEG DELTA (AMPL) = 3.040 DEG OSCILLATION FREQUENCY = 5.005 HZ K = .145

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0011	-130.0	.0027
30.06	22.78	.0062	-178.0	.0160
38.85	61.52	.0432	154.9	.1106
47.35	61.52	.0669	173.7	.1713
49.25	82.00	.1282	173.5	.3283
57.43	84.10	.1642	174.1	.4207
54.19	91.72	.1760	175.5	.4508
60.96	92.00	.2020	174.8	.5174
61.95	107.00	.3527	171.9	.9035
67.65	107.00	.3731	171.8	.9557

Table 5. Continued

TDT TEST 367

POINT NUMBER 840 MACH = .801 RN = 1.903*10E6 H = 392.900 PSF ALPHA = -.004 DEG
 Q = 99.977 PSF GAMMA = 1.131 P = 275.475 PSF
 DELTA (MEAN) = -.009 DEG DELTA (AMPL) = 1.038 DEG OSCILLATION FREQUENCY = 14.990 HZ K = .433

ANALYZED VALUES : DELTA (MEAN) = -.045 DEG DELTA (AMPL) = 1.033 DEG OSCILLATION FREQUENCY = 15.010 HZ K = .434

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0005	4.3	.0122
30.06	22.78	.0008	4.2	.0181
38.85	61.52	.0085	.4	.1948
47.35	61.52	.0092	1.1	.2125
49.25	82.00	.0173	2.4	.3981
57.43	84.10	.0190	1.8	.4384
54.19	91.72	.0205	1.2	.4731
60.96	92.00	.0236	.4	.5448
61.95	107.00	.0393	2.8	.9050
67.65	107.00	.0407	2.0	.9373

Table 5. Continued

TDT TEST 367

POINT NUMBER 841 MACH = .801 RN = 1.903*10E6 H = 392.900 PSF ALPHA = -.005 DEG
 Q = 100.028 PSF GAMMA = 1.131 P = 275.400 PSF
 DELTA (MEAN) = -.059 DEG DELTA (AMPL) = 2.024 DEG OSCILLATION FREQUENCY = 15.010 HZ K = .433

ANALYZED VALUES : DELTA (MEAN) = -.097 DEG DELTA (AMPL) = 2.027 DEG OSCILLATION FREQUENCY = 15.010 HZ K = .433

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0016	3.7	.0369
30.06	22.78	.0020	3.2	.0452
38.85	61.52	.0173	1.5	.3989
47.35	61.52	.0197	1.8	.4528
49.25	82.00	.0345	-.2	.7937
57.43	84.10	.0376	-.1	.8662
54.19	91.72	.0417	.2	.9613
60.96	92.00	.0470	-.1	1.0834
61.95	107.00	.0790	-.0	1.8206
67.65	107.00	.0810	-.8	1.8658

Table 5. Continued

TDT TEST 367

POINT NUMBER 842 MACH = .801 RN = 1.904*10E6 H = 393.075 PSF ALPHA = -.005 DEG
 Q = 100.088 PSF GAMMA = 1.131 P = 275.500 PSF
 DELTA (MEAN) = -.073 DEG DELTA (AMPL) = 3.014 DEG OSCILLATION FREQUENCY = 15.021 HZ K = .434

ANALYZED VALUES : DELTA (MEAN) = -.122 DEG DELTA (AMPL) = 3.010 DEG OSCILLATION FREQUENCY = 15.010 HZ K = .433

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0019	-10.7	.0449
30.06	22.78	.0026	-4.6	.0603
38.85	61.52	.0249	.4	.5734
47.35	61.52	.0279	1.2	.6432
49.25	82.00	.0501	-.4	1.1545
57.43	84.10	.0558	-.3	1.2865
54.19	91.72	.0603	-1.0	1.3884
60.96	92.00	.0691	-1.6	1.5928
61.95	107.00	.1163	-.9	2.6800
67.65	107.00	.1196	-1.8	2.7562

Table 5. Continued

TDT TEST 367

POINT NUMBER 843 MACH = .801 RN = 1.901*10E6 H = 392.700 PSF ALPHA = -.005 DEG
 Q = 99.847 PSF GAMMA = 1.131 P = 275.450 PSF
 DELTA (MEAN) = -.026 DEG DELTA (AMPL) = .992 DEG OSCILLATION FREQUENCY = 20.000 HZ K = .578

ANALYZED VALUES : DELTA (MEAN) = -.050 DEG DELTA (AMPL) = .976 DEG OSCILLATION FREQUENCY = 19.993 HZ K = .578

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0003	27.2	.0137
30.06	22.78	.0004	-4.0	.0182
38.85	61.52	.0042	3.4	.1701
47.35	61.52	.0046	1.3	.1894
49.25	82.00	.0078	1.2	.3193
57.43	84.10	.0084	-2.9	.3414
54.19	91.72	.0089	-.6	.3655
60.96	92.00	.0100	-4.5	.4092
61.95	107.00	.0167	.5	.6828
67.65	107.00	.0169	-2.9	.6903

Table 5. Continued

TDT TEST 367

POINT NUMBER 844 MACH = .801 RN = 1.904*10E6 H = 392.950 PSF ALPHA = -.005 DEG
 Q = 100.015 PSF GAMMA = 1.131 P = 275.475 PSF
 DELTA (MEAN) = -.069 DEG DELTA (AMPL) = 2.004 DEG OSCILLATION FREQUENCY = 20.000 HZ K = .578

ANALYZED VALUES : DELTA (MEAN) = -.095 DEG DELTA (AMPL) = 2.002 DEG OSCILLATION FREQUENCY = 19.973 HZ K = .577

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0008	-2.7	.0328
30.06	22.78	.0010	-4.0	.0415
38.85	61.52	.0088	3.2	.3602
47.35	61.52	.0094	-.8	.3820
49.25	82.00	.0164	.1	.6678
57.43	84.10	.0173	-.7	.7051
54.19	91.72	.0188	-.0	.7661
60.96	92.00	.0203	-3.4	.8270
61.95	107.00	.0331	.8	1.3522
67.65	107.00	.0334	-2.2	1.3613

Table 5. Continued

TDT TEST 367

POINT NUMBER 845 MACH = .802 RN = 1.905*10E6 H = 393.150 PSF ALPHA = -.004 DEG
 Q = 100.230 PSF GAMMA = 1.131 P = 275.375 PSF
 DELTA (MEAN) = -.096 DEG DELTA (AMPL) = 3.036 DEG OSCILLATION FREQUENCY = 20.000 HZ K = .577

ANALYZED VALUES : DELTA (MEAN) = -.126 DEG DELTA (AMPL) = 3.026 DEG OSCILLATION FREQUENCY = 19.993 HZ K = .577

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0013	.9	.0547
30.06	22.78	.0016	-3.8	.0660
38.85	61.52	.0136	.4	.5562
47.35	61.52	.0147	-1.1	.5997
49.25	82.00	.0251	-1.7	1.0269
57.43	84.10	.0266	-4.0	1.0884
54.19	91.72	.0283	-3.4	1.1569
60.96	92.00	.0311	-5.5	1.2719
61.95	107.00	.0502	-2.1	2.0530
67.65	107.00	.0507	-5.0	2.0713

Table 5. Continued

TDT TEST 367

POINT NUMBER 869 MACH = .704 RN = 2.189*10E6 H = 473.075 PSF ALPHA = -.008 DEG
 Q = 100.762 PSF GAMMA = 1.132 P = 359.000 PSF
 DELTA (MEAN) = -.006 DEG DELTA (AMPL) = 1.026 DEG OSCILLATION FREQUENCY = 5.031 HZ K = .166

ANALYZED VALUES : DELTA (MEAN) = .006 DEG DELTA (AMPL) = 1.019 DEG OSCILLATION FREQUENCY = 5.030 HZ K = .166

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0057	-173.0	.0149
30.06	22.78	.0032	166.0	.0082
38.85	61.52	.0116	169.3	.0300
47.35	61.52	.0174	170.3	.0451
49.25	82.00	.0440	174.8	.1137
57.43	84.10	.0516	174.5	.1336
54.19	91.72	.0655	-178.9	.1696
60.96	92.00	.0718	-179.3	.1858
61.95	107.00	.1097	175.7	.2838
67.65	107.00	.1098	177.5	.2841

Table 5. Continued

TDT TEST 367

POINT NUMBER 870 MACH = .703 RN = 2.189*10E6 H = 473.650 PSF ALPHA = -.008 DEG
 Q = 100.684 PSF GAMMA = 1.132 P = 359.700 PSF
 DELTA (MEAN) = -.093 DEG DELTA (AMPL) = 1.992 DEG OSCILLATION FREQUENCY = 5.040 HZ K = .166

ANALYZED VALUES : DELTA (MEAN) = -.042 DEG DELTA (AMPL) = 1.993 DEG OSCILLATION FREQUENCY = 5.030 HZ K = .166

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0037	-139.3	.0096
30.06	22.78	.0064	173.1	.0165
38.85	61.52	.0256	-179.7	.0662
47.35	61.52	.0464	179.9	.1200
49.25	82.00	.0775	171.2	.2004
57.43	84.10	.1053	168.6	.2725
54.19	91.72	.1072	171.0	.2774
60.96	92.00	.1296	169.9	.3354
61.95	107.00	.2195	172.3	.5679
67.65	107.00	.2321	172.1	.6005

Table 5. Continued

TDT TEST 367

POINT NUMBER 872 MACH = .703 RN = 2.189*10E6 H = 474.000 PSF ALPHA = -.007 DEG
 Q = 100.790 PSF GAMMA = 1.132 P = 359.925 PSF
 DELTA (MEAN) = -.030 DEG DELTA (AMPL) = 3.008 DEG OSCILLATION FREQUENCY = 5.021 HZ K = .165

ANALYZED VALUES : DELTA (MEAN) = -.083 DEG DELTA (AMPL) = 3.006 DEG OSCILLATION FREQUENCY = 5.030 HZ K = .166

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0027	-137.8	.0071
30.06	22.78	.0018	98.1	.0045
38.85	61.52	.0526	-179.6	.1362
47.35	61.52	.0722	174.4	.1868
49.25	82.00	.1136	172.5	.2940
57.43	84.10	.1423	175.6	.3682
54.19	91.72	.1484	172.5	.3840
60.96	92.00	.1869	174.8	.4836
61.95	107.00	.3250	172.1	.8409
67.65	107.00	.3487	172.2	.9022

Table 5. Continued

TDT TEST 367

POINT NUMBER 873 MACH = .702 RN = 2.184*10E6 H = 473.850 PSF ALPHA = -.008 DEG
 Q = 100.410 PSF GAMMA = 1.132 P = 360.275 PSF
 DELTA (MEAN) = -.010 DEG DELTA (AMPL) = 1.030 DEG OSCILLATION FREQUENCY = 15.010 HZ K = .496

ANALYZED VALUES : DELTA (MEAN) = .000 DEG DELTA (AMPL) = 1.028 DEG OSCILLATION FREQUENCY = 15.010 HZ K = .496

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0008	11.6	.0184
30.06	22.78	.0007	24.2	.0158
38.85	61.52	.0070	15.2	.1622
47.35	61.52	.0091	13.1	.2091
49.25	82.00	.0162	6.5	.3732
57.43	84.10	.0181	5.8	.4162
54.19	91.72	.0198	5.5	.4568
60.96	92.00	.0223	7.8	.5133
61.95	107.00	.0380	7.9	.8758
67.65	107.00	.0397	6.9	.9140

Table 5. Continued

TDT TEST 367

POINT NUMBER 874 MACH = .702 RN = 2.184*10E6 H = 474.000 PSF ALPHA = -.008 DEG
 Q = 100.526 PSF GAMMA = 1.132 P = 360.275 PSF
 DELTA (MEAN) = -.070 DEG DELTA (AMPL) = 1.998 DEG OSCILLATION FREQUENCY = 15.010 HZ K = .495

ANALYZED VALUES : DELTA (MEAN) = -.050 DEG DELTA (AMPL) = 2.002 DEG OSCILLATION FREQUENCY = 15.010 HZ K = .495

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0011	1.3	.0261
30.06	22.78	.0015	13.7	.0345
38.85	61.52	.0144	9.0	.3307
47.35	61.52	.0168	7.9	.3880
49.25	82.00	.0306	5.8	.7058
57.43	84.10	.0349	5.4	.8039
54.19	91.72	.0383	5.1	.8812
60.96	92.00	.0435	5.8	1.0015
61.95	107.00	.0732	6.5	1.6874
67.65	107.00	.0764	5.4	1.7607

Table 5. Continued

TDT TEST 367

POINT NUMBER 875 MACH = .700 RN = 2.180*10E6 H = 474.000 PSF ALPHA = -.008 DEG
 Q = 100.054 PSF GAMMA = 1.132 P = 360.900 PSF
 DELTA (MEAN) = -.065 DEG DELTA (AMPL) = 3.026 DEG OSCILLATION FREQUENCY = 15.010 HZ K = .497

ANALYZED VALUES : DELTA (MEAN) = -.081 DEG DELTA (AMPL) = 3.021 DEG OSCILLATION FREQUENCY = 15.010 HZ K = .497

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0018	12.1	.0404
30.06	22.78	.0024	9.1	.0543
38.85	61.52	.0211	6.6	.4864
47.35	61.52	.0245	8.1	.5641
49.25	82.00	.0458	7.5	1.0548
57.43	84.10	.0506	6.2	1.1650
54.19	91.72	.0550	7.3	1.2668
60.96	92.00	.0630	5.8	1.4504
61.95	107.00	.1064	7.1	2.4522
67.65	107.00	.1121	5.8	2.5833

Table 5. Continued

TDT TEST 367

POINT NUMBER 876 MACH = .701 RN = 2.180*10E6 H = 473.875 PSF ALPHA = -.008 DEG
 Q = 100.221 PSF GAMMA = 1.132 P = 360.550 PSF
 DELTA (MEAN) = -.010 DEG DELTA (AMPL) = 1.029 DEG OSCILLATION FREQUENCY = 20.122 HZ K = .665

ANALYZED VALUES : DELTA (MEAN) = -.003 DEG DELTA (AMPL) = 1.025 DEG OSCILLATION FREQUENCY = 20.115 HZ K = .665

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0004	-31.6	.0163
30.06	22.78	.0005	-4.3	.0188
38.85	61.52	.0038	7.3	.1563
47.35	61.52	.0041	7.1	.1683
49.25	82.00	.0074	6.3	.3076
57.43	84.10	.0081	7.2	.3338
54.19	91.72	.0084	8.6	.3483
60.96	92.00	.0094	4.1	.3903
61.95	107.00	.0150	9.0	.6203
67.65	107.00	.0154	5.9	.6370

Table 5. Continued

TDT TEST 367

POINT NUMBER 877 MACH = .703 RN = 2.187*10E6 H = 474.750 PSF ALPHA = -.009 DEG
 Q = 100.776 PSF GAMMA = 1.132 P = 360.725 PSF
 DELTA (MEAN) = -.063 DEG DELTA (AMPL) = 2.037 DEG OSCILLATION FREQUENCY = 20.121 HZ K = .663

ANALYZED VALUES : DELTA (MEAN) = -.055 DEG DELTA (AMPL) = 2.046 DEG OSCILLATION FREQUENCY = 20.121 HZ K = .663

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0010	.9	.0403
30.06	22.78	.0010	5.5	.0425
38.85	61.52	.0082	7.9	.3387
47.35	61.52	.0089	4.5	.3687
49.25	82.00	.0146	3.8	.6049
57.43	84.10	.0157	3.3	.6506
54.19	91.72	.0161	3.5	.6682
60.96	92.00	.0186	1.4	.7719
61.95	107.00	.0294	6.6	1.2177
67.65	107.00	.0301	3.8	1.2459

Table 5. Continued

TDT TEST 367

POINT NUMBER 878 MACH = .701 RN = 2.181*10E6 H = 474.050 PSF ALPHA = -.008 DEG
 Q = 100.320 PSF GAMMA = 1.132 P = 360.600 PSF
 DELTA (MEAN) = -.084 DEG DELTA (AMPL) = 3.029 DEG OSCILLATION FREQUENCY = 20.121 HZ K = .665

ANALYZED VALUES : DELTA (MEAN) = -.089 DEG DELTA (AMPL) = 3.032 DEG OSCILLATION FREQUENCY = 20.121 HZ K = .665

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0011	8.2	.0467
30.06	22.78	.0014	6.5	.0596
38.85	61.52	.0117	6.0	.4843
47.35	61.52	.0129	4.7	.5334
49.25	82.00	.0219	5.0	.9047
57.43	84.10	.0233	2.6	.9633
54.19	91.72	.0246	4.2	1.0179
60.96	92.00	.0271	1.8	1.1205
61.95	107.00	.0440	6.2	1.8201
67.65	107.00	.0452	3.7	1.8722

Table 5. Continued

TDT TEST 367

POINT NUMBER 880 MACH = .698 RN = 2.175*10E6 H = 474.475 PSF ALPHA = 2.000 DEG
 Q = 99.670 PSF GAMMA = 1.132 P = 361.900 PSF
 DELTA (MEAN) = .011 DEG DELTA (AMPL) = 1.023 DEG OSCILLATION FREQUENCY = 5.010 HZ K = .166

ANALYZED VALUES : DELTA (MEAN) = .012 DEG DELTA (AMPL) = 1.017 DEG OSCILLATION FREQUENCY = 5.015 HZ K = .166

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0050	-176.7	.0128
30.06	22.78	.0010	-27.3	.0027
38.85	61.52	.0201	157.7	.0518
47.35	61.52	.0211	170.8	.0544
49.25	82.00	.0357	166.2	.0918
57.43	84.10	.0422	-176.8	.1085
54.19	91.72	.0416	177.9	.1069
60.96	92.00	.0565	-175.8	.1453
61.95	107.00	.0963	173.3	.2475
67.65	107.00	.0870	-172.7	.2237

Table 5. Continued

TDT TEST 367

POINT NUMBER 881 MACH = .703 RN = 2.186*10E6 H = 475.225 PSF ALPHA = 2.000 DEG
 Q = 100.884 PSF GAMMA = 1.132 P = 361.075 PSF
 DELTA (MEAN) = -.054 DEG DELTA (AMPL) = 2.026 DEG OSCILLATION FREQUENCY = 5.010 HZ K = .165

ANALYZED VALUES : DELTA (MEAN) = -.035 DEG DELTA (AMPL) = 2.017 DEG OSCILLATION FREQUENCY = 5.010 HZ K = .165

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0078	-124.5	.0200
30.06	22.78	.0049	-124.3	.0125
38.85	61.52	.0293	158.7	.0753
47.35	61.52	.0402	157.3	.1033
49.25	82.00	.0740	-179.7	.1898
57.43	84.10	.0910	-176.8	.2335
54.19	91.72	.1002	179.1	.2571
60.96	92.00	.1143	179.2	.2933
61.95	107.00	.1969	173.4	.5054
67.65	107.00	.2086	173.3	.5353

Table 5. Continued

TDT TEST 367

POINT NUMBER 884 MACH = .700 RN = 2.182*10E6 H = 475.400 PSF ALPHA = 1.999 DEG
 Q = 100.437 PSF GAMMA = 1.132 P = 361.850 PSF
 DELTA (MEAN) = -.004 DEG DELTA (AMPL) = 3.044 DEG OSCILLATION FREQUENCY = 5.021 HZ K = .166

ANALYZED VALUES : DELTA (MEAN) = -.082 DEG DELTA (AMPL) = 3.040 DEG OSCILLATION FREQUENCY = 5.015 HZ K = .166

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0048	106.8	.0125
30.06	22.78	.0056	153.5	.0145
38.85	61.52	.0305	172.0	.0784
47.35	61.52	.0499	176.8	.1283
49.25	82.00	.1137	169.9	.2924
57.43	84.10	.1394	173.4	.3585
54.19	91.72	.1656	172.0	.4258
60.96	92.00	.1748	177.1	.4495
61.95	107.00	.2995	172.1	.7703
67.65	107.00	.3141	172.3	.8080

Table 5. Continued

TDT TEST 367

POINT NUMBER 885 MACH = .701 RN = 2.182*10E6 H = 475.200 PSF ALPHA = 2.000 DEG
 Q = 100.599 PSF GAMMA = 1.132 P = 361.425 PSF
 DELTA (MEAN) = .006 DEG DELTA (AMPL) = 1.019 DEG OSCILLATION FREQUENCY = 15.041 HZ K = .496

ANALYZED VALUES : DELTA (MEAN) = .001 DEG DELTA (AMPL) = 1.015 DEG OSCILLATION FREQUENCY = 15.040 HZ K = .496

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0005	12.6	.0118
30.06	22.78	.0005	-8.9	.0115
38.85	61.52	.0063	9.1	.1461
47.35	61.52	.0079	8.3	.1833
49.25	82.00	.0142	6.8	.3290
57.43	84.10	.0159	6.5	.3672
54.19	91.72	.0176	7.2	.4080
60.96	92.00	.0203	7.6	.4691
61.95	107.00	.0341	7.6	.7887
67.65	107.00	.0373	8.8	.8631

Table 5. Continued

TDT TEST 367

POINT NUMBER 886 MACH = .702 RN = 2.185*10E6 H = 475.650 PSF ALPHA = 2.000 DEG
 Q = 100.861 PSF GAMMA = 1.132 P = 361.550 PSF
 DELTA (MEAN) = -.072 DEG DELTA (AMPL) = 2.034 DEG OSCILLATION FREQUENCY = 15.010 HZ K = .495

ANALYZED VALUES : DELTA (MEAN) = -.053 DEG DELTA (AMPL) = 2.035 DEG OSCILLATION FREQUENCY = 15.025 HZ K = .495

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0012	4.0	.0278
30.06	22.78	.0017	-.7	.0404
38.85	61.52	.0131	6.3	.3021
47.35	61.52	.0158	7.5	.3657
49.25	82.00	.0283	9.1	.6537
57.43	84.10	.0319	8.8	.7370
54.19	91.72	.0348	9.9	.8032
60.96	92.00	.0394	7.6	.9099
61.95	107.00	.0666	8.9	1.5380
67.65	107.00	.0696	7.9	1.6070

Table 5. Continued

TDT TEST 367

POINT NUMBER 887 MACH = .703 RN = 2.186*10E6 H = 475.575 PSF ALPHA = 2.000 DEG
 Q = 100.970 PSF GAMMA = 1.132 P = 361.325 PSF
 DELTA (MEAN) = -.101 DEG DELTA (AMPL) = 3.018 DEG OSCILLATION FREQUENCY = 15.041 HZ K = .495

ANALYZED VALUES : DELTA (MEAN) = -.083 DEG DELTA (AMPL) = 3.015 DEG OSCILLATION FREQUENCY = 15.025 HZ K = .495

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0018	2.2	.0418
30.06	22.78	.0021	11.1	.0481
38.85	61.52	.0198	8.0	.4577
47.35	61.52	.0230	8.2	.5299
49.25	82.00	.0420	7.7	.9685
57.43	84.10	.0465	7.4	1.0731
54.19	91.72	.0505	7.8	1.1669
60.96	92.00	.0581	7.3	1.3420
61.95	107.00	.0982	8.4	2.2674
67.65	107.00	.1027	7.5	2.3707

Table 5. Continued

TDT TEST 367

POINT NUMBER 888 MACH = .703 RN = 2.185*10E6 H = 475.500 PSF ALPHA = 1.999 DEG
 Q = 101.007 PSF GAMMA = 1.132 P = 361.200 PSF
 DELTA (MEAN) = -.007 DEG DELTA (AMPL) = 1.004 DEG OSCILLATION FREQUENCY = 20.000 HZ K = .658

ANALYZED VALUES : DELTA (MEAN) = -.004 DEG DELTA (AMPL) = .996 DEG OSCILLATION FREQUENCY = 20.013 HZ K = .659

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0003	13.6	.0131
30.06	22.78	.0004	9.7	.0174
38.85	61.52	.0037	9.9	.1522
47.35	61.52	.0040	6.8	.1637
49.25	82.00	.0064	9.4	.2619
57.43	84.10	.0069	4.7	.2831
54.19	91.72	.0074	8.8	.3018
60.96	92.00	.0082	6.4	.3360
61.95	107.00	.0127	11.6	.5191
67.65	107.00	.0128	9.1	.5256

Table 5. Continued

TDT TEST 367

POINT NUMBER 889 MACH = .703 RN = 2.187*10E6 H = 475.800 PSF ALPHA = 1.999 DEG
 Q = 101.111 PSF GAMMA = 1.132 P = 361.375 PSF
 DELTA (MEAN) = -.057 DEG DELTA (AMPL) = 2.044 DEG OSCILLATION FREQUENCY = 20.000 HZ K = .658

ANALYZED VALUES : DELTA (MEAN) = -.055 DEG DELTA (AMPL) = 2.044 DEG OSCILLATION FREQUENCY = 20.013 HZ K = .659

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0007	11.1	.0300
30.06	22.78	.0010	1.7	.0399
38.85	61.52	.0078	6.6	.3193
47.35	61.52	.0084	6.8	.3429
49.25	82.00	.0139	6.6	.5712
57.43	84.10	.0147	3.6	.6040
54.19	91.72	.0154	4.6	.6308
60.96	92.00	.0172	3.6	.7061
61.95	107.00	.0272	8.1	1.1137
67.65	107.00	.0279	5.0	1.1413

Table 5. Continued

TDT TEST 367

POINT NUMBER 890 MACH = .700 RN = 2.180*10E6 H = 475.725 PSF ALPHA = 2.000 DEG
 Q = 100.426 PSF GAMMA = 1.132 P = 362.200 PSF
 DELTA (MEAN) = -.084 DEG DELTA (AMPL) = 3.020 DEG OSCILLATION FREQUENCY = 20.040 HZ K = .662

ANALYZED VALUES : DELTA (MEAN) = -.082 DEG DELTA (AMPL) = 3.019 DEG OSCILLATION FREQUENCY = 20.013 HZ K = .662

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0010	10.4	.0407
30.06	22.78	.0012	4.6	.0506
38.85	61.52	.0106	8.4	.4360
47.35	61.52	.0118	6.2	.4816
49.25	82.00	.0198	6.4	.8089
57.43	84.10	.0214	4.1	.8773
54.19	91.72	.0223	5.9	.9114
60.96	92.00	.0249	3.3	1.0182
61.95	107.00	.0399	8.4	1.6350
67.65	107.00	.0412	5.7	1.6860

Table 5. Continued

TDT TEST 367

POINT NUMBER 892 MACH = .601 RN = 2.494*10E6 H = 597.025 PSF ALPHA = -.005 DEG
 Q = 99.696 PSF GAMMA = 1.132 P = 487.925 PSF
 DELTA (MEAN) = .004 DEG DELTA (AMPL) = 1.011 DEG OSCILLATION FREQUENCY = 5.031 HZ K = .193

ANALYZED VALUES : DELTA (MEAN) = .011 DEG DELTA (AMPL) = 1.003 DEG OSCILLATION FREQUENCY = 5.020 HZ K = .193

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0040	121.1	.0104
30.06	22.78	.0013	38.8	.0033
38.85	61.52	.0294	165.9	.0757
47.35	61.52	.0269	-174.4	.0693
49.25	82.00	.0355	169.5	.0915
57.43	84.10	.0375	178.1	.0967
54.19	91.72	.0396	175.2	.1020
60.96	92.00	.0484	-179.9	.1247
61.95	107.00	.0989	175.3	.2550
67.65	107.00	.1065	174.6	.2744

Table 5. Continued

TDT TEST 367

POINT NUMBER 893 MACH = .601 RN = 2.493*10E6 H = 596.675 PSF ALPHA = -.004 DEG
 Q = 99.609 PSF GAMMA = 1.132 P = 487.675 PSF
 DELTA (MEAN) = -.082 DEG DELTA (AMPL) = 2.030 DEG OSCILLATION FREQUENCY = 5.010 HZ K = .193

ANALYZED VALUES : DELTA (MEAN) = -.033 DEG DELTA (AMPL) = 2.024 DEG OSCILLATION FREQUENCY = 5.020 HZ K = .193

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0044	113.4	.0113
30.06	22.78	.0046	148.1	.0119
38.85	61.52	.0309	-179.8	.0795
47.35	61.52	.0416	176.3	.1071
49.25	82.00	.0721	171.6	.1857
57.43	84.10	.0937	173.9	.2415
54.19	91.72	.0987	168.1	.2543
60.96	92.00	.1170	174.4	.3015
61.95	107.00	.2096	172.8	.5402
67.65	107.00	.2220	172.8	.5722

Table 5. Continued

TDT TEST 367

POINT NUMBER 894 MACH = .604 RN = 2.506*10E6 H = 597.550 PSF ALPHA = -.004 DEG
 Q = 100.670 PSF GAMMA = 1.132 P = 487.275 PSF
 DELTA (MEAN) = -.065 DEG DELTA (AMPL) = 3.042 DEG OSCILLATION FREQUENCY = 5.010 HZ K = .191

ANALYZED VALUES : DELTA (MEAN) = -.075 DEG DELTA (AMPL) = 3.032 DEG OSCILLATION FREQUENCY = 5.015 HZ K = .192

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0018	-156.5	.0046
30.06	22.78	.0042	130.7	.0108
38.85	61.52	.0437	178.2	.1125
47.35	61.52	.0674	176.2	.1732
49.25	82.00	.1114	172.0	.2865
57.43	84.10	.1362	174.1	.3504
54.19	91.72	.1493	173.0	.3841
60.96	92.00	.1751	175.8	.4502
61.95	107.00	.3118	172.0	.8020
67.65	107.00	.3330	171.9	.8565

Table 5. Continued

TDT TEST 367

POINT NUMBER 895 MACH = .602 RN = 2.498*10E6 H = 597.100 PSF ALPHA = -.004 DEG
 Q = 100.128 PSF GAMMA = 1.132 P = 487.475 PSF
 DELTA (MEAN) = -.009 DEG DELTA (AMPL) = 1.026 DEG OSCILLATION FREQUENCY = 15.010 HZ K = .575

ANALYZED VALUES : DELTA (MEAN) = .001 DEG DELTA (AMPL) = 1.020 DEG OSCILLATION FREQUENCY = 14.995 HZ K = .574

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0006	14.8	.0140
30.06	22.78	.0009	12.1	.0211
38.85	61.52	.0068	8.9	.1557
47.35	61.52	.0081	11.4	.1868
49.25	82.00	.0152	13.0	.3497
57.43	84.10	.0173	11.4	.3986
54.19	91.72	.0187	12.8	.4289
60.96	92.00	.0215	11.6	.4954
61.95	107.00	.0365	13.2	.8391
67.65	107.00	.0382	12.3	.8792

Table 5. Continued

TDT TEST 367

POINT NUMBER 896 MACH = .603 RN = 2.501*10E6 H = 597.375 PSF ALPHA = -.004 DEG
 Q = 100.316 PSF GAMMA = 1.132 P = 487.525 PSF
 DELTA (MEAN) = -.042 DEG DELTA (AMPL) = 2.022 DEG OSCILLATION FREQUENCY = 15.010 HZ K = .575

ANALYZED VALUES : DELTA (MEAN) = -.049 DEG DELTA (AMPL) = 2.023 DEG OSCILLATION FREQUENCY = 14.995 HZ K = .574

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0008	11.1	.0188
30.06	22.78	.0013	3.0	.0301
38.85	61.52	.0140	9.1	.3215
47.35	61.52	.0156	10.1	.3584
49.25	82.00	.0283	8.5	.6497
57.43	84.10	.0330	9.0	.7597
54.19	91.72	.0351	10.1	.8062
60.96	92.00	.0409	8.5	.9396
61.95	107.00	.0693	9.8	1.5922
67.65	107.00	.0726	8.8	1.6692

Table 5. Continued

TDT TEST 367

POINT NUMBER 897 MACH = .606 RN = 2.510*10E6 H = 597.425 PSF ALPHA = -.003 DEG
 Q = 101.138 PSF GAMMA = 1.132 P = 486.575 PSF
 DELTA (MEAN) = -.059 DEG DELTA (AMPL) = 3.024 DEG OSCILLATION FREQUENCY = 15.010 HZ K = .572

ANALYZED VALUES : DELTA (MEAN) = -.081 DEG DELTA (AMPL) = 3.013 DEG OSCILLATION FREQUENCY = 14.995 HZ K = .571

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0016	18.0	.0365
30.06	22.78	.0021	10.0	.0483
38.85	61.52	.0211	8.3	.4850
47.35	61.52	.0239	10.6	.5500
49.25	82.00	.0446	9.4	1.0249
57.43	84.10	.0504	9.1	1.1590
54.19	91.72	.0538	9.3	1.2375
60.96	92.00	.0633	8.8	1.4542
61.95	107.00	.1070	9.8	2.4590
67.65	107.00	.1121	9.0	2.5781

Table 5. Continued

TDT TEST 367

POINT NUMBER 898 MACH = .606 RN = 2.512*10E6 H = 598.150 PSF ALPHA = -.004 DEG
 Q = 101.230 PSF GAMMA = 1.132 P = 487.200 PSF
 DELTA (MEAN) = -.007 DEG DELTA (AMPL) = 1.018 DEG OSCILLATION FREQUENCY = 20.000 HZ K = .762

ANALYZED VALUES : DELTA (MEAN) = -.005 DEG DELTA (AMPL) = 1.007 DEG OSCILLATION FREQUENCY = 20.013 HZ K = .762

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0004	6.3	.0149
30.06	22.78	.0005	3.3	.0206
38.85	61.52	.0036	7.3	.1466
47.35	61.52	.0041	8.6	.1664
49.25	82.00	.0069	8.8	.2841
57.43	84.10	.0072	6.7	.2944
54.19	91.72	.0075	10.4	.3073
60.96	92.00	.0085	4.0	.3488
61.95	107.00	.0137	12.1	.5627
67.65	107.00	.0141	9.7	.5779

Table 5. Continued

TDT TEST 367

POINT NUMBER 899 MACH = .608 RN = 2.516*10E6 H = 598.400 PSF ALPHA = -.003 DEG
 Q = 101.705 PSF GAMMA = 1.132 P = 486.875 PSF
 DELTA (MEAN) = -.059 DEG DELTA (AMPL) = 2.005 DEG OSCILLATION FREQUENCY = 20.000 HZ K = .760

ANALYZED VALUES : DELTA (MEAN) = -.056 DEG DELTA (AMPL) = 2.001 DEG OSCILLATION FREQUENCY = 19.993 HZ K = .760

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0008	1.9	.0325
30.06	22.78	.0009	.1	.0362
38.85	61.52	.0073	5.4	.2966
47.35	61.52	.0078	7.7	.3176
49.25	82.00	.0136	8.2	.5547
57.43	84.10	.0143	6.4	.5848
54.19	91.72	.0149	7.7	.6109
60.96	92.00	.0172	6.0	.7023
61.95	107.00	.0270	11.5	1.1034
67.65	107.00	.0277	9.3	1.1336

Table 5. Continued

TDT TEST 367

POINT NUMBER 900 MACH = .606 RN = 2.513*10E6 H = 598.125 PSF ALPHA = -.003 DEG
 Q = 101.333 PSF GAMMA = 1.132 P = 487.050 PSF
 DELTA (MEAN) = -.084 DEG DELTA (AMPL) = 3.007 DEG OSCILLATION FREQUENCY = 20.000 HZ K = .761

ANALYZED VALUES : DELTA (MEAN) = -.085 DEG DELTA (AMPL) = 2.988 DEG OSCILLATION FREQUENCY = 20.013 HZ K = .762

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0011	9.4	.0444
30.06	22.78	.0012	5.7	.0501
38.85	61.52	.0112	7.8	.4571
47.35	61.52	.0122	7.1	.4982
49.25	82.00	.0202	7.4	.8264
57.43	84.10	.0220	6.2	.9029
54.19	91.72	.0227	7.5	.9307
60.96	92.00	.0253	6.2	1.0370
61.95	107.00	.0407	10.8	1.6670
67.65	107.00	.0421	8.9	1.7227

Table 5. Continued

TDT TEST 367

POINT NUMBER 902 MACH = .607 RN = 2.514*10E6 H = 598.475 PSF ALPHA = 2.019 DEG
 Q = 101.582 PSF GAMMA = 1.132 P = 487.100 PSF
 DELTA (MEAN) = -.028 DEG DELTA (AMPL) = 1.016 DEG OSCILLATION FREQUENCY = 4.990 HZ K = .190

ANALYZED VALUES : DELTA (MEAN) = -.003 DEG DELTA (AMPL) = 1.013 DEG OSCILLATION FREQUENCY = 4.995 HZ K = .190

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0027	101.3	.0069
30.06	22.78	.0033	118.4	.0085
38.85	61.52	.0199	162.1	.0509
47.35	61.52	.0188	-172.2	.0479
49.25	82.00	.0306	178.3	.0781
57.43	84.10	.0407	174.7	.1039
54.19	91.72	.0365	173.3	.0932
60.96	92.00	.0585	177.8	.1491
61.95	107.00	.0960	176.5	.2448
67.65	107.00	.1053	176.2	.2686

Table 5. Continued

TDT TEST 367

POINT NUMBER 903 MACH = .606 RN = 2.511*10E6 H = 598.325 PSF ALPHA = 2.019 DEG
 Q = 101.336 PSF GAMMA = 1.132 P = 487.250 PSF
 DELTA (MEAN) = -.055 DEG DELTA (AMPL) = 2.029 DEG OSCILLATION FREQUENCY = 4.990 HZ K = .190

ANALYZED VALUES : DELTA (MEAN) = -.048 DEG DELTA (AMPL) = 2.026 DEG OSCILLATION FREQUENCY = 4.994 HZ K = .190

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0019	-158.7	.0048
30.06	22.78	.0033	-156.6	.0085
38.85	61.52	.0255	155.9	.0651
47.35	61.52	.0403	178.2	.1028
49.25	82.00	.0659	171.3	.1680
57.43	84.10	.0934	171.3	.2383
54.19	91.72	.0867	176.5	.2210
60.96	92.00	.1140	175.3	.2907
61.95	107.00	.1973	172.4	.5032
67.65	107.00	.2135	171.8	.5444

Table 5. Continued

TDT TEST 367

POINT NUMBER 904 MACH = .608 RN = 2.517*10E6 H = 599.000 PSF ALPHA = 2.019 DEG
 Q = 101.817 PSF GAMMA = 1.132 P = 487.350 PSF
 DELTA (MEAN) = -.077 DEG DELTA (AMPL) = 3.019 DEG OSCILLATION FREQUENCY = 5.000 HZ K = .190

ANALYZED VALUES : DELTA (MEAN) = -.093 DEG DELTA (AMPL) = 3.012 DEG OSCILLATION FREQUENCY = 4.995 HZ K = .190

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0026	148.9	.0066
30.06	22.78	.0067	160.2	.0170
38.85	61.52	.0433	177.4	.1105
47.35	61.52	.0586	175.8	.1496
49.25	82.00	.0926	175.8	.2363
57.43	84.10	.1358	173.1	.3465
54.19	91.72	.1488	174.7	.3796
60.96	92.00	.1798	175.0	.4585
61.95	107.00	.3000	172.3	.7651
67.65	107.00	.3173	172.0	.8093

Table 5. Continued

TDT TEST 367

POINT NUMBER 905 MACH = .602 RN = 2.499*10E6 H = 598.200 PSF ALPHA = 2.019 DEG
 Q = 100.289 PSF GAMMA = 1.132 P = 488.400 PSF
 DELTA (MEAN) = -.009 DEG DELTA (AMPL) = 1.019 DEG OSCILLATION FREQUENCY = 14.950 HZ K = .573

ANALYZED VALUES : DELTA (MEAN) = -.009 DEG DELTA (AMPL) = 1.013 DEG. OSCILLATION FREQUENCY = 14.975 HZ K = .573

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0006	3.3	.0148
30.06	22.78	.0007	13.6	.0169
38.85	61.52	.0073	12.4	.1675
47.35	61.52	.0081	11.9	.1865
49.25	82.00	.0134	12.3	.3081
57.43	84.10	.0156	13.0	.3571
54.19	91.72	.0163	10.4	.3742
60.96	92.00	.0196	13.1	.4498
61.95	107.00	.0332	14.1	.7616
67.65	107.00	.0347	13.3	.7964

Table 5. Continued

TDT TEST 367

POINT NUMBER 906 MACH = .602 RN = 2.500*10E6 H = 598.300 PSF ALPHA = 2.021 DEG
 Q = 100.293 PSF GAMMA = 1.132 P = 488.500 PSF
 DELTA (MEAN) = -.040 DEG DELTA (AMPL) = 2.025 DEG OSCILLATION FREQUENCY = 15.060 HZ K = .577

ANALYZED VALUES : DELTA (MEAN) = -.054 DEG DELTA (AMPL) = 2.027 DEG OSCILLATION FREQUENCY = 15.040 HZ K = .576

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0009	7.5	.0211
30.06	22.78	.0013	11.9	.0302
38.85	61.52	.0129	12.2	.2985
47.35	61.52	.0152	7.6	.3515
49.25	82.00	.0281	8.6	.6492
57.43	84.10	.0319	10.4	.7374
54.19	91.72	.0341	10.1	.7888
60.96	92.00	.0395	9.8	.9142
61.95	107.00	.0666	10.7	1.5406
67.65	107.00	.0697	9.7	1.6133

Table 5. Continued

TDT TEST 367

POINT NUMBER 907 MACH = .602 RN = 2.498*10E6 H = 598.175 PSF ALPHA = 2.019 DEG
 Q = 100.248 PSF GAMMA = 1.132 P = 488.425 PSF
 DELTA (MEAN) = -.104 DEG DELTA (AMPL) = 3.010 DEG OSCILLATION FREQUENCY = 15.041 HZ K = .576

ANALYZED VALUES : DELTA (MEAN) = -.083 DEG DELTA (AMPL) = 3.010 DEG OSCILLATION FREQUENCY = 15.045 HZ K = .576

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0015	6.6	.0357
30.06	22.78	.0020	7.4	.0473
38.85	61.52	.0192	10.7	.4440
47.35	61.52	.0228	9.7	.5274
49.25	82.00	.0413	8.9	.9551
57.43	84.10	.0472	8.4	1.0914
54.19	91.72	.0506	9.0	1.1703
60.96	92.00	.0583	8.5	1.3498
61.95	107.00	.0986	9.4	2.2826
67.65	107.00	.1032	8.2	2.3894

Table 5. Continued

TDT TEST 367

POINT NUMBER 908 MACH = .598 RN = 2.485*10E6 H = 597.750 PSF ALPHA = 2.019 DEG
 Q = 99.113 PSF GAMMA = 1.132 P = 489.375 PSF
 DELTA (MEAN) = -.004 DEG DELTA (AMPL) = 1.015 DEG OSCILLATION FREQUENCY = 20.040 HZ K = .773

ANALYZED VALUES : DELTA (MEAN) = -.004 DEG DELTA (AMPL) = 1.009 DEG OSCILLATION FREQUENCY = 20.060 HZ K = .773

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0006	22.1	.0236
30.06	22.78	.0004	20.5	.0163
38.85	61.52	.0037	12.0	.1512
47.35	61.52	.0038	9.0	.1571
49.25	82.00	.0062	6.2	.2551
57.43	84.10	.0067	4.4	.2767
54.19	91.72	.0071	6.6	.2915
60.96	92.00	.0081	6.6	.3352
61.95	107.00	.0125	9.9	.5126
67.65	107.00	.0128	7.0	.5255

Table 5. Continued

TDT TEST 367

POINT NUMBER 909 MACH = .602 RN = 2.500*10E6 H = 598.550 PSF ALPHA = 2.020 DEG
 Q = 100.358 PSF GAMMA = 1.132 P = 488.675 PSF
 DELTA (MEAN) = -.058 DEG DELTA (AMPL) = 2.013 DEG OSCILLATION FREQUENCY = 20.080 HZ K = .769

ANALYZED VALUES : DELTA (MEAN) = -.056 DEG DELTA (AMPL) = 2.012 DEG OSCILLATION FREQUENCY = 20.054 HZ K = .768

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0008	10.7	.0346
30.06	22.78	.0009	8.7	.0359
38.85	61.52	.0068	10.2	.2779
47.35	61.52	.0079	8.4	.3244
49.25	82.00	.0126	8.6	.5180
57.43	84.10	.0133	5.6	.5488
54.19	91.72	.0141	7.1	.5814
60.96	92.00	.0160	5.0	.6578
61.95	107.00	.0255	10.4	1.0495
67.65	107.00	.0263	7.8	1.0834

Table 5. Continued

TDT TEST 367

POINT NUMBER 910 MACH = .604 RN = 2.503*10E6 H = 598.400 PSF ALPHA = 2.021 DEG
 Q = 100.663 PSF GAMMA = 1.132 P = 488.150 PSF
 DELTA (MEAN) = -.089 DEG DELTA (AMPL) = 3.028 DEG OSCILLATION FREQUENCY = 20.080 HZ K = .767

ANALYZED VALUES : DELTA (MEAN) = -.086 DEG DELTA (AMPL) = 3.022 DEG OSCILLATION FREQUENCY = 20.034 HZ K = .766

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0010	3.5	.0419
30.06	22.78	.0012	6.1	.0483
38.85	61.52	.0103	7.8	.4229
47.35	61.52	.0117	5.4	.4815
49.25	82.00	.0197	8.0	.8086
57.43	84.10	.0211	6.6	.8654
54.19	91.72	.0221	8.0	.9051
60.96	92.00	.0249	6.1	1.0206
61.95	107.00	.0396	11.4	1.6236
67.65	107.00	.0409	9.3	1.6802

Table 5. Continued

TDT TEST 367

POINT NUMBER 937 MACH = .851 RN = 3.567*10E6 H = 739.925 PSF ALPHA = -.011 DEG
 Q = 203.288 PSF GAMMA = 1.131 P = 496.100 PSF
 DELTA (MEAN) = .029 DEG DELTA (AMPL) = 1.017 DEG OSCILLATION FREQUENCY = 5.000 HZ K = .135

ANALYZED VALUES : DELTA (MEAN) = .029 DEG DELTA (AMPL) = 1.007 DEG OSCILLATION FREQUENCY = 4.995 HZ K = .135

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0058	-65.7	.0147
30.06	22.78	.0035	154.3	.0089
38.85	61.52	.0219	143.6	.0558
47.35	61.52	.0278	147.5	.0709
49.25	82.00	.0386	-176.8	.0984
57.43	84.10	.0708	-179.1	.1806
54.19	91.72	.0679	-176.5	.1731
60.96	92.00	.0907	175.4	.2314
61.95	107.00	.1482	171.7	.3782
67.65	107.00	.1601	172.8	.4084

Table 5. Continued

TDT TEST 367

POINT NUMBER 938 MACH = .848 RN = 3.559*10E6 H = 739.325 PSF ALPHA = -.012 DEG
 Q = 202.351 PSF GAMMA = 1.131 P = 496.900 PSF
 DELTA (MEAN) = -.081 DEG DELTA (AMPL) = 2.011 DEG OSCILLATION FREQUENCY = 5.000 HZ K = .136

ANALYZED VALUES : DELTA (MEAN) = -.028 DEG DELTA (AMPL) = 2.011 DEG OSCILLATION FREQUENCY = 5.000 HZ K = .136

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0077	142.7	.0196
30.06	22.78	.0084	140.1	.0214
38.85	61.52	.0335	175.6	.0857
47.35	61.52	.0424	-177.2	.1083
49.25	82.00	.1119	166.9	.2860
57.43	84.10	.1436	172.4	.3671
54.19	91.72	.1411	166.7	.3608
60.96	92.00	.1901	173.2	.4859
61.95	107.00	.2995	169.3	.7656
67.65	107.00	.3262	171.0	.8338

Table 5. Continued

TDT TEST 367

POINT NUMBER 939 MACH = .852 RN = 3.569*10E6 H = 740.425 PSF ALPHA = -.011 DEG
 Q = 203.608 PSF GAMMA = 1.131 P = 496.150 PSF
 DELTA (MEAN) = -.017 DEG DELTA (AMPL) = 3.046 DEG OSCILLATION FREQUENCY = 5.000 HZ K = .135

ANALYZED VALUES : DELTA (MEAN) = -.087 DEG DELTA (AMPL) = 3.047 DEG OSCILLATION FREQUENCY = 5.000 HZ K = .135

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0052	-112.6	.0134
30.06	22.78	.0077	123.5	.0198
38.85	61.52	.0454	177.8	.1162
47.35	61.52	.0874	171.3	.2233
49.25	82.00	.1451	166.1	.3709
57.43	84.10	.2103	169.5	.5375
54.19	91.72	.2176	167.5	.5563
60.96	92.00	.2514	169.5	.6426
61.95	107.00	.4612	169.2	1.1790
67.65	107.00	.4924	171.2	1.2588

Table 5. Continued

TDT TEST 367

POINT NUMBER 940 MACH = .847 RN = 3.558*10E6 H = 739.725 PSF ALPHA = -.010 DEG
 Q = 202.119 PSF GAMMA = 1.131 P = 497.700 PSF
 DELTA (MEAN) = .009 DEG DELTA (AMPL) = 1.032 DEG OSCILLATION FREQUENCY = 14.980 HZ K = .407

ANALYZED VALUES : DELTA (MEAN) = .005 DEG DELTA (AMPL) = 1.025 DEG OSCILLATION FREQUENCY = 15.005 HZ K = .408

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0012	-21.8	.0275
30.06	22.78	.0014	-2.7	.0312
38.85	61.52	.0159	9.2	.3664
47.35	61.52	.0193	11.7	.4446
49.25	82.00	.0355	11.0	.8172
57.43	84.10	.0386	13.8	.8888
54.19	91.72	.0425	12.3	.9789
60.96	92.00	.0486	14.7	1.1178
61.95	107.00	.0835	16.2	1.9214
67.65	107.00	.0853	17.0	1.9635

Table 5. Continued

TDT TEST 367

POINT NUMBER 941 MACH = .851 RN = 3.567*10E6 H = 740.475 PSF ALPHA = -.011 DEG
 Q = 203.387 PSF GAMMA = 1.131 P = 496.550 PSF
 DELTA (MEAN) = -.067 DEG DELTA (AMPL) = 2.016 DEG OSCILLATION FREQUENCY = 14.980 HZ K = .405

ANALYZED VALUES : DELTA (MEAN) = -.078 DEG DELTA (AMPL) = 2.022 DEG OSCILLATION FREQUENCY = 15.010 HZ K = .406

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0024	.5	.0552
30.06	22.78	.0033	-.1	.0755
38.85	61.52	.0352	5.3	.8104
47.35	61.52	.0405	7.5	.9320
49.25	82.00	.0755	10.3	1.7405
57.43	84.10	.0863	10.7	1.9882
54.19	91.72	.0950	10.1	2.1878
60.96	92.00	.1092	9.7	2.5162
61.95	107.00	.1855	11.4	4.2739
67.65	107.00	.1918	11.8	4.4190

Table 5. Continued

TDT TEST 367

POINT NUMBER 942 MACH = .852 RN = 3.569*10E6 H = 740.725 PSF ALPHA = -.011 DEG
 Q = 203.661 PSF GAMMA = 1.131 P = 496.400 PSF
 DELTA (MEAN) = -.153 DEG DELTA (AMPL) = 3.052 DEG OSCILLATION FREQUENCY = 15.010 HZ K = .406

ANALYZED VALUES : DELTA (MEAN) = -.151 DEG DELTA (AMPL) = 3.054 DEG OSCILLATION FREQUENCY = 15.010 HZ K = .406

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0036	6.0	.0830
30.06	22.78	.0048	2.0	.1106
38.85	61.52	.0527	8.3	1.2135
47.35	61.52	.0601	9.9	1.3839
49.25	82.00	.1123	9.9	2.5864
57.43	84.10	.1283	11.0	2.9557
54.19	91.72	.1388	10.9	3.1981
60.96	92.00	.1610	11.4	3.7084
61.95	107.00	.2722	12.6	6.2703
67.65	107.00	.2804	13.1	6.4587

Table 5. Continued

TDT TEST 367

POINT NUMBER 943 MACH = .851 RN = 3.568*10E6 H = 740.750 PSF ALPHA = -.011 DEG
 Q = 203.532 PSF GAMMA = 1.131 P = 496.625 PSF
 DELTA (MEAN) = -.012 DEG DELTA (AMPL) = 1.037 DEG OSCILLATION FREQUENCY = 20.040 HZ K = .542

ANALYZED VALUES : DELTA (MEAN) = -.004 DEG DELTA (AMPL) = 1.023 DEG OSCILLATION FREQUENCY = 20.080 HZ K = .543

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0008	12.3	.0342
30.06	22.78	.0011	5.1	.0452
38.85	61.52	.0089	2.3	.3662
47.35	61.52	.0100	2.3	.4140
49.25	82.00	.0171	1.3	.7051
57.43	84.10	.0180	1.6	.7426
54.19	91.72	.0194	1.7	.7985
60.96	92.00	.0210	2.8	.8644
61.95	107.00	.0345	6.7	1.4219
67.65	107.00	.0337	5.7	1.3890

Table 5. Continued

TDT TEST 367

POINT NUMBER 944 MACH = .849 RN = 3.561*10E6 H = 740.100 PSF ALPHA = -.012 DEG
 Q = 202.613 PSF GAMMA = 1.131 P = 497.350 PSF
 DELTA (MEAN) = -.102 DEG DELTA (AMPL) = 2.034 DEG OSCILLATION FREQUENCY = 20.081 HZ K = .545

ANALYZED VALUES : DELTA (MEAN) = -.093 DEG DELTA (AMPL) = 2.024 DEG OSCILLATION FREQUENCY = 20.054 HZ K = .544

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0019	-10.9	.0761
30.06	22.78	.0023	-8.7	.0928
38.85	61.52	.0198	-.6	.8140
47.35	61.52	.0213	-.2	.8744
49.25	82.00	.0358	-.3	1.4703
57.43	84.10	.0369	-.7	1.5194
54.19	91.72	.0399	.3	1.6425
60.96	92.00	.0425	-.9	1.7491
61.95	107.00	.0682	3.9	2.8025
67.65	107.00	.0660	2.6	2.7137

Table 5. Continued

TDT TEST 367

POINT NUMBER 945 MACH = .850 RN = 3.563*10E6 H = 740.575 PSF ALPHA = -.011 DEG
 Q = 203.028 PSF GAMMA = 1.131 P = 497.225 PSF
 DELTA (MEAN) = -.212 DEG DELTA (AMPL) = 3.071 DEG OSCILLATION FREQUENCY = 20.040 HZ K = .543

ANALYZED VALUES : DELTA (MEAN) = -.217 DEG DELTA (AMPL) = 3.059 DEG OSCILLATION FREQUENCY = 20.074 HZ K = .544

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0028	-5.6	.1170
30.06	22.78	.0031	-3.6	.1290
38.85	61.52	.0290	-1.2	1.1966
47.35	61.52	.0310	-1.5	1.2760
49.25	82.00	.0521	-2.2	2.1484
57.43	84.10	.0539	-2.4	2.2225
54.19	91.72	.0594	-2.8	2.4462
60.96	92.00	.0632	-3.3	2.6053
61.95	107.00	.1022	.4	4.2108
67.65	107.00	.0991	-1.1	4.0821

Table 5. Continued

TDT TEST 367

POINT NUMBER 984 MACH = .801 RN = .644*10E6 H = 353.050 PSF ALPHA = 1.999 DEG
 Q = 103.935 PSF GAMMA = 1.400 P = 231.350 PSF
 DELTA (MEAN) = -.080 DEG DELTA (AMPL) = 1.012 DEG OSCILLATION FREQUENCY = 4.990 HZ K = .066

ANALYZED VALUES : DELTA (MEAN) = -.036 DEG DELTA (AMPL) = 1.014 DEG OSCILLATION FREQUENCY = 5.000 HZ K = .066

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0046	138.7	.0118
30.06	22.78	.0020	-159.7	.0051
38.85	61.52	.0189	172.6	.0484
47.35	61.52	.0341	172.5	.0871
49.25	82.00	.0517	169.4	.1320
57.43	84.10	.0533	170.8	.1363
54.19	91.72	.0629	-176.7	.1609
60.96	92.00	.0685	175.5	.1750
61.95	107.00	.1235	176.7	.3158
67.65	107.00	.1339	175.9	.3423

Table 5. Continued

TDT TEST 367

POINT NUMBER 985 MACH = .801 RN = .644*10E6 H = 353.425 PSF ALPHA = 1.999 DEG
 Q = 104.077 PSF GAMMA = 1.400 P = 231.550 PSF
 DELTA (MEAN) = -.109 DEG DELTA (AMPL) = 2.038 DEG OSCILLATION FREQUENCY = 5.000 HZ K = .066

ANALYZED VALUES : DELTA (MEAN) = -.079 DEG DELTA (AMPL) = 2.016 DEG OSCILLATION FREQUENCY = 5.000 HZ K = .066

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0077	144.7	.0198
30.06	22.78	.0044	148.9	.0114
38.85	61.52	.0438	163.6	.1121
47.35	61.52	.0655	-164.3	.1673
49.25	82.00	.0717	-178.7	.1833
57.43	84.10	.1031	177.8	.2635
54.19	91.72	.1184	-179.8	.3028
60.96	92.00	.1338	176.0	.3420
61.95	107.00	.2489	177.7	.6363
67.65	107.00	.2693	176.8	.6885

Table 5. Continued

TDT TEST 367

POINT NUMBER 986 MACH = .802 RN = .644*10E6 H = 353.625 PSF ALPHA = 1.999 DEG
 Q = 104.208 PSF GAMMA = 1.400 P = 231.575 PSF
 DELTA (MEAN) = -.228 DEG DELTA (AMPL) = 3.031 DEG OSCILLATION FREQUENCY = 5.000 HZ K = .066

ANALYZED VALUES : DELTA (MEAN) = -.131 DEG DELTA (AMPL) = 3.017 DEG OSCILLATION FREQUENCY = 5.000 HZ K = .066

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0076	116.2	.0193
30.06	22.78	.0032	135.4	.0081
38.85	61.52	.0586	-172.1	.1498
47.35	61.52	.0774	-176.4	.1978
49.25	82.00	.1266	168.5	.3237
57.43	84.10	.1588	169.3	.4060
54.19	91.72	.1652	171.0	.4222
60.96	92.00	.1983	174.4	.5070
61.95	107.00	.3619	176.4	.9252
67.65	107.00	.3934	175.7	1.0055

Table 5. Continued

TDT TEST 367

POINT NUMBER 987 MACH = .801 RN = .644*10E6 H = 354.025 PSF ALPHA = 1.999 DEG
 Q = 104.164 PSF GAMMA = 1.400 P = 232.075 PSF
 DELTA (MEAN) = -.091 DEG DELTA (AMPL) = 1.032 DEG OSCILLATION FREQUENCY = 15.010 HZ K = .197

ANALYZED VALUES : DELTA (MEAN) = -.065 DEG DELTA (AMPL) = 1.112 DEG OSCILLATION FREQUENCY = 15.010 HZ K = .197

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0012	29.3	.0270
30.06	22.78	.0015	-2.4	.0357
38.85	61.52	.0099	-.1	.2274
47.35	61.52	.0125	5.6	.2869
49.25	82.00	.0218	3.5	.5021
57.43	84.10	.0240	-.5	.5535
54.19	91.72	.0281	3.1	.6467
60.96	92.00	.0313	.4	.7209
61.95	107.00	.0542	-.4	1.2494
67.65	107.00	.0569	-1.8	1.3105

Table 5. Continued

TDT TEST 367

POINT NUMBER 988 MACH = .801 RN = .644*10E6 H = 354.075 PSF ALPHA = 1.999 DEG
 Q = 104.235 PSF GAMMA = 1.400 P = 232.025 PSF
 DELTA (MEAN) = -.143 DEG DELTA (AMPL) = 2.034 DEG OSCILLATION FREQUENCY = 15.010 HZ K = .197

ANALYZED VALUES : DELTA (MEAN) = -.139 DEG DELTA (AMPL) = 2.037 DEG OSCILLATION FREQUENCY = 14.995 HZ K = .197

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0013	-15.6	.0303
30.06	22.78	.0015	4.0	.0342
38.85	61.52	.0189	2.5	.4352
47.35	61.52	.0214	1.0	.4930
49.25	82.00	.0406	-.2	.9334
57.43	84.10	.0470	1.9	1.0805
54.19	91.72	.0520	-.8	1.1947
60.96	92.00	.0592	-.4	1.3610
61.95	107.00	.1010	.1	2.3229
67.65	107.00	.1065	-1.1	2.4483

Table 5. Continued

TDT TEST 367

POINT NUMBER 989 MACH = .799 RN = .643*10E6 H = 354.175 PSF ALPHA = 1.999 DEG
 Q = 103.986 PSF GAMMA = 1.400 P = 232.500 PSF
 DELTA (MEAN) = -.249 DEG DELTA (AMPL) = 3.024 DEG OSCILLATION FREQUENCY = 14.990 HZ K = .197

ANALYZED VALUES : DELTA (MEAN) = -.206 DEG DELTA (AMPL) = 3.028 DEG OSCILLATION FREQUENCY = 15.010 HZ K = .197

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0025	-4.1	.0585
30.06	22.78	.0030	-5.0	.0683
38.85	61.52	.0285	1.8	.6575
47.35	61.52	.0333	2.0	.7671
49.25	82.00	.0630	-.6	1.4507
57.43	84.10	.0701	-1.2	1.6152
54.19	91.72	.0754	-.2	1.7363
60.96	92.00	.0878	-1.7	2.0224
61.95	107.00	.1492	-.4	3.4366
67.65	107.00	.1572	-1.4	3.6220

Table 5. Continued

TDT TEST 367

POINT NUMBER 990 MACH = .799 RN = .643*10E6 H = 354.400 PSF ALPHA = 1.999 DEG
 Q = 104.034 PSF GAMMA = 1.400 P = 232.675 PSF
 DELTA (MEAN) = -.109 DEG DELTA (AMPL) = 1.022 DEG OSCILLATION FREQUENCY = 20.000 HZ K = .263

ANALYZED VALUES : DELTA (MEAN) = -.089 DEG DELTA (AMPL) = 1.024 DEG OSCILLATION FREQUENCY = 19.993 HZ K = .263

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0004	3.1	.0173
30.06	22.78	.0008	-4.4	.0328
38.85	61.52	.0051	7.1	.2064
47.35	61.52	.0053	4.8	.2173
49.25	82.00	.0102	-3.0	.4175
57.43	84.10	.0102	-3.8	.4176
54.19	91.72	.0109	-2.5	.4456
60.96	92.00	.0123	-4.8	.5041
61.95	107.00	.0191	-2.0	.7821
67.65	107.00	.0196	-4.4	.7994

Table 5. Continued

TDT TEST 367

POINT NUMBER 991 MACH = .799 RN = .643*10E6 H = 354.525 PSF ALPHA = 1.999 DEG
 Q = 104.041 PSF GAMMA = 1.400 P = 232.800 PSF
 DELTA (MEAN) = .019 DEG DELTA (AMPL) = 2.020 DEG OSCILLATION FREQUENCY = 19.960 HZ K = .262

ANALYZED VALUES : DELTA (MEAN) = .036 DEG DELTA (AMPL) = 2.058 DEG OSCILLATION FREQUENCY = 19.993 HZ K = .263

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0010	13.2	.0421
30.06	22.78	.0014	13.6	.0563
38.85	61.52	.0112	2.9	.4593
47.35	61.52	.0122	1.4	.5002
49.25	82.00	.0203	.1	.8284
57.43	84.10	.0213	-2.8	.8692
54.19	91.72	.0219	-3.8	.8967
60.96	92.00	.0242	-5.4	.9886
61.95	107.00	.0390	-3.5	1.5923
67.65	107.00	.0397	-5.7	1.6217

Table 5. Continued

TDT TEST 367

POINT NUMBER 992 MACH = .800 RN = .643*10E6 H = 354.700 PSF ALPHA = 1.999 DEG
 Q = 104.205 PSF GAMMA = 1.400 P = 232.750 PSF
 DELTA (MEAN) = -.106 DEG DELTA (AMPL) = 3.026 DEG OSCILLATION FREQUENCY = 20.000 HZ K = .263

ANALYZED VALUES : DELTA (MEAN) = -.084 DEG DELTA (AMPL) = 3.043 DEG OSCILLATION FREQUENCY = 19.993 HZ K = .262

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0018	4.9	.0755
30.06	22.78	.0019	10.8	.0761
38.85	61.52	.0162	4.8	.6629
47.35	61.52	.0169	2.9	.6913
49.25	82.00	.0288	-1.6	1.1791
57.43	84.10	.0307	-3.0	1.2533
54.19	91.72	.0327	-3.2	1.3359
60.96	92.00	.0361	-5.7	1.4750
61.95	107.00	.0584	-3.8	2.3862
67.65	107.00	.0600	-6.4	2.4520

Table 5. Continued

TDT TEST 367

POINT NUMBER 993 MACH = .803 RN = .645*10E6 H = 355.125 PSF ALPHA = .005 DEG
 Q = 104.790 PSF GAMMA = 1.400 P = 232.350 PSF
 DELTA (MEAN) = -.025 DEG DELTA (AMPL) = 1.079 DEG OSCILLATION FREQUENCY = 5.021 HZ K = .066

ANALYZED VALUES : DELTA (MEAN) = .008 DEG DELTA (AMPL) = 1.072 DEG OSCILLATION FREQUENCY = 5.020 HZ K = .066

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0052	133.8	.0134
30.06	22.78	.0065	-176.4	.0167
38.85	61.52	.0221	-118.3	.0569
47.35	61.52	.0124	-158.4	.0320
49.25	82.00	.0384	-177.4	.0988
57.43	84.10	.0657	177.5	.1694
54.19	91.72	.0741	165.4	.1909
60.96	92.00	.0753	171.3	.1940
61.95	107.00	.1379	176.7	.3553
67.65	107.00	.1489	178.1	.3838

Table 5. Continued

TDT TEST 367

POINT NUMBER 995 MACH = .800 RN = .644*10E6 H = 355.225 PSF ALPHA = .005 DEG
 Q = 104.423 PSF GAMMA = 1.400 P = 233.000 PSF
 DELTA (MEAN) = -.061 DEG DELTA (AMPL) = 2.022 DEG OSCILLATION FREQUENCY = 5.021 HZ K = .066

ANALYZED VALUES : DELTA (MEAN) = -.048 DEG DELTA (AMPL) = 2.013 DEG OSCILLATION FREQUENCY = 5.020 HZ K = .066

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0056	-150.5	.0146
30.06	22.78	.0086	-166.6	.0222
38.85	61.52	.0223	176.4	.0573
47.35	61.52	.0464	-168.4	.1197
49.25	82.00	.0896	177.7	.2308
57.43	84.10	.1267	179.3	.3265
54.19	91.72	.1427	-178.8	.3677
60.96	92.00	.1660	-177.5	.4278
61.95	107.00	.2644	177.6	.6813
67.65	107.00	.2841	177.3	.7322

Table 5. Continued

TDT TEST 367

POINT NUMBER 996 MACH = .801 RN = .644*10E6 H = 355.450 PSF ALPHA = .005 DEG
 Q = 104.590 PSF GAMMA = 1.400 P = 233.000 PSF
 DELTA (MEAN) = -.194 DEG DELTA (AMPL) = 3.005 DEG OSCILLATION FREQUENCY = 5.010 HZ K = .066

ANALYZED VALUES : DELTA (MEAN) = -.105 DEG DELTA (AMPL) = 3.003 DEG OSCILLATION FREQUENCY = 5.015 HZ K = .066

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0059	-154.0	.0153
30.06	22.78	.0141	-176.5	.0361
38.85	61.52	.0232	176.3	.0597
47.35	61.52	.0697	-172.1	.1792
49.25	82.00	.1489	171.5	.3830
57.43	84.10	.1908	-175.9	.4907
54.19	91.72	.2196	-178.9	.5648
60.96	92.00	.2426	-179.2	.6239
61.95	107.00	.3897	178.2	1.0022
67.65	107.00	.4166	177.7	1.0714

Table 5. Continued

TDT TEST 367

POINT NUMBER 997 MACH = .800 RN = .644*10E6 H = 355.625 PSF ALPHA = .005 DEG
 Q = 104.583 PSF GAMMA = 1.400 P = 233.200 PSF
 DELTA (MEAN) = -.035 DEG DELTA (AMPL) = 1.040 DEG OSCILLATION FREQUENCY = 15.041 HZ K = .197

ANALYZED VALUES : DELTA (MEAN) = -.024 DEG DELTA (AMPL) = 1.037 DEG OSCILLATION FREQUENCY = 15.025 HZ K = .197

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0005	3.7	.0122
30.06	22.78	.0009	10.5	.0207
38.85	61.52	.0095	1.9	.2189
47.35	61.52	.0112	2.1	.2591
49.25	82.00	.0233	2.3	.5369
57.43	84.10	.0259	4.0	.5978
54.19	91.72	.0285	4.5	.6577
60.96	92.00	.0318	3.5	.7330
61.95	107.00	.0551	2.8	1.2709
67.65	107.00	.0582	1.7	1.3424

Table 5. Continued

TDT TEST 367

POINT NUMBER 998 MACH = .801 RN = .644*10E6 H = 355.850 PSF ALPHA = .005 DEG
 Q = 104.699 PSF GAMMA = 1.400 P = 233.275 PSF
 DELTA (MEAN) = -.116 DEG DELTA (AMPL) = 2.009 DEG OSCILLATION FREQUENCY = 15.021 HZ K = .197

ANALYZED VALUES : DELTA (MEAN) = -.109 DEG DELTA (AMPL) = 2.011 DEG OSCILLATION FREQUENCY = 15.025 HZ K = .197

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0015	2.1	.0338
30.06	22.78	.0023	21.2	.0524
38.85	61.52	.0202	7.1	.4653
47.35	61.52	.0238	4.2	.5497
49.25	82.00	.0413	2.4	.9526
57.43	84.10	.0479	.6	1.1048
54.19	91.72	.0521	1.4	1.2033
60.96	92.00	.0602	1.6	1.3893
61.95	107.00	.1025	2.1	2.3670
67.65	107.00	.1092	.2	2.5203

Table 5. Continued

TDT TEST 367

POINT NUMBER 999 MACH = .800 RN = .643*10E6 H = 355.800 PSF ALPHA = .005 DEG
 Q = 104.492 PSF GAMMA = 1.400 P = 233.525 PSF
 DELTA (MEAN) = -.201 DEG DELTA (AMPL) = 3.005 DEG OSCILLATION FREQUENCY = 15.010 HZ K = .197

ANALYZED VALUES : DELTA (MEAN) = -.199 DEG DELTA (AMPL) = 3.029 DEG OSCILLATION FREQUENCY = 15.010 HZ K = .197

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0024	7.3	.0555
30.06	22.78	.0030	1.3	.0691
38.85	61.52	.0296	4.7	.6830
47.35	61.52	.0344	1.9	.7932
49.25	82.00	.0633	2.0	1.4573
57.43	84.10	.0721	2.4	1.6617
54.19	91.72	.0799	.7	1.8407
60.96	92.00	.0913	.7	2.1041
61.95	107.00	.1567	1.2	3.6110
67.65	107.00	.1645	.0	3.7902

Table 5. Continued

TDT TEST 367

POINT NUMBER 1001 MACH = .799 RN = .643*10E6 H = 356.050 PSF ALPHA = .005 DEG
 Q = 104.456 PSF GAMMA = 1.400 P = 233.850 PSF
 DELTA (MEAN) = -.055 DEG DELTA (AMPL) = 1.027 DEG OSCILLATION FREQUENCY = 20.040 HZ K = .263

ANALYZED VALUES : DELTA (MEAN) = -.034 DEG DELTA (AMPL) = 1.024 DEG OSCILLATION FREQUENCY = 20.054 HZ K = .263

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0007	-12.3	.0286
30.06	22.78	.0006	-5.1	.0257
38.85	61.52	.0057	4.3	.2335
47.35	61.52	.0058	2.1	.2397
49.25	82.00	.0103	.8	.4252
57.43	84.10	.0115	-.6	.4748
54.19	91.72	.0118	1.9	.4859
60.96	92.00	.0127	-3.5	.5219
61.95	107.00	.0205	3.2	.8447
67.65	107.00	.0212	.3	.8700

Table 5. Continued

TDT TEST 367

POINT NUMBER 1002 MACH = .800 RN = .643*10E6 H = 356.275 PSF ALPHA = .005 DEG
 Q = 104.656 PSF GAMMA = 1.400 P = 233.800 PSF
 DELTA (MEAN) = -.116 DEG DELTA (AMPL) = 2.019 DEG OSCILLATION FREQUENCY = 20.081 HZ K = .263

ANALYZED VALUES : DELTA (MEAN) = -.112 DEG DELTA (AMPL) = 2.018 DEG OSCILLATION FREQUENCY = 20.074 HZ K = .263

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0014	13.2	.0576
30.06	22.78	.0013	9.8	.0556
38.85	61.52	.0108	7.8	.4435
47.35	61.52	.0117	6.4	.4810
49.25	82.00	.0201	.9	.8277
57.43	84.10	.0210	-1.1	.8649
54.19	91.72	.0230	-.8	.9466
60.96	92.00	.0250	-3.8	1.0291
61.95	107.00	.0411	-1.0	1.6926
67.65	107.00	.0416	-3.9	1.7127

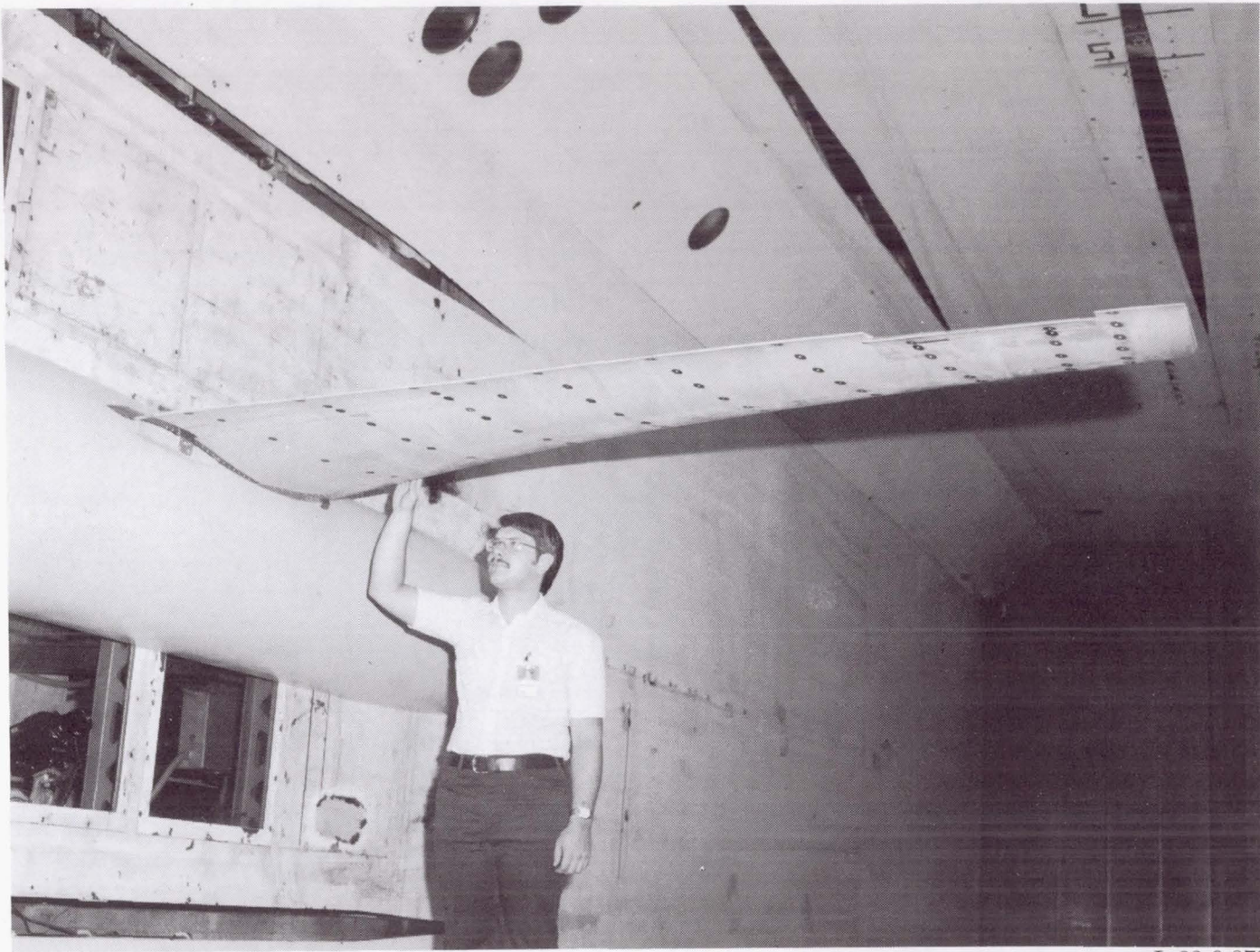
Table 5. Concluded

TDT TEST 367

POINT NUMBER 1003 MACH = .798 RN = .643*10E6 H = 356.175 PSF ALPHA = .005 DEG
 Q = 104.361 PSF GAMMA = 1.400 P = 234.125 PSF
 DELTA (MEAN) = -.283 DEG DELTA (AMPL) = 3.026 DEG OSCILLATION FREQUENCY = 20.080 HZ K = .264

ANALYZED VALUES : DELTA (MEAN) = -.287 DEG DELTA (AMPL) = 3.027 DEG OSCILLATION FREQUENCY = 20.054 HZ K = .263

X, IN	Y, IN	DEFLECTION, IN	PHASE, DEG	ACC MAG, G
19.17	22.78	.0015	20.8	.0598
30.06	22.78	.0018	9.7	.0741
38.85	61.52	.0156	6.3	.6428
47.35	61.52	.0175	4.6	.7202
49.25	82.00	.0304	1.8	1.2498
57.43	84.10	.0319	-1.0	1.3099
54.19	91.72	.0343	-1.1	1.4116
60.96	92.00	.0382	-2.9	1.5725
61.95	107.00	.0630	-.5	2.5922
67.65	107.00	.0643	-3.2	2.6459



L-83-9,879

Figure 1. DAST ARW-2 model mounted in wind tunnel.

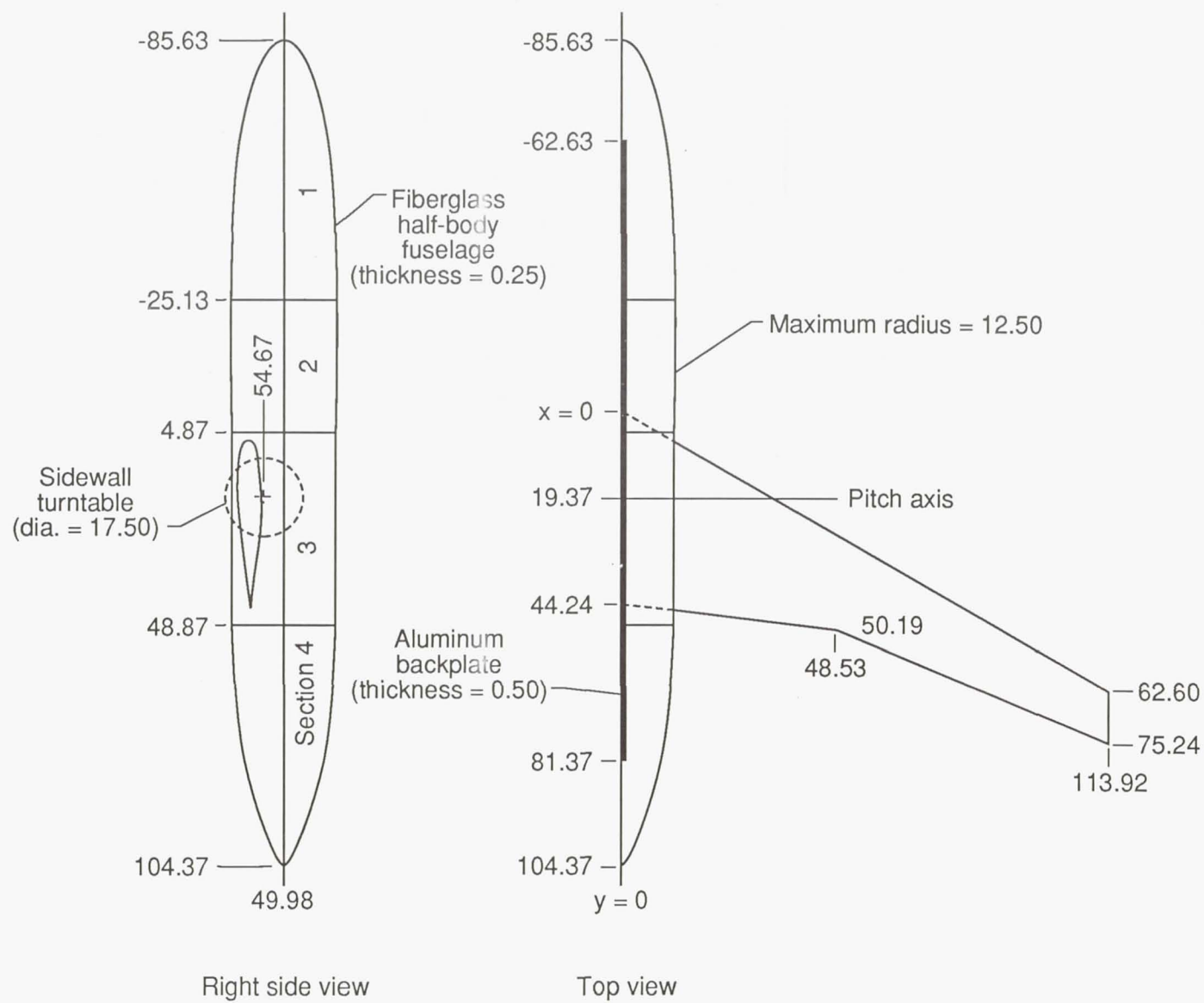


Figure 2. Sketch of complete wind tunnel model. All dimensions are in inches.

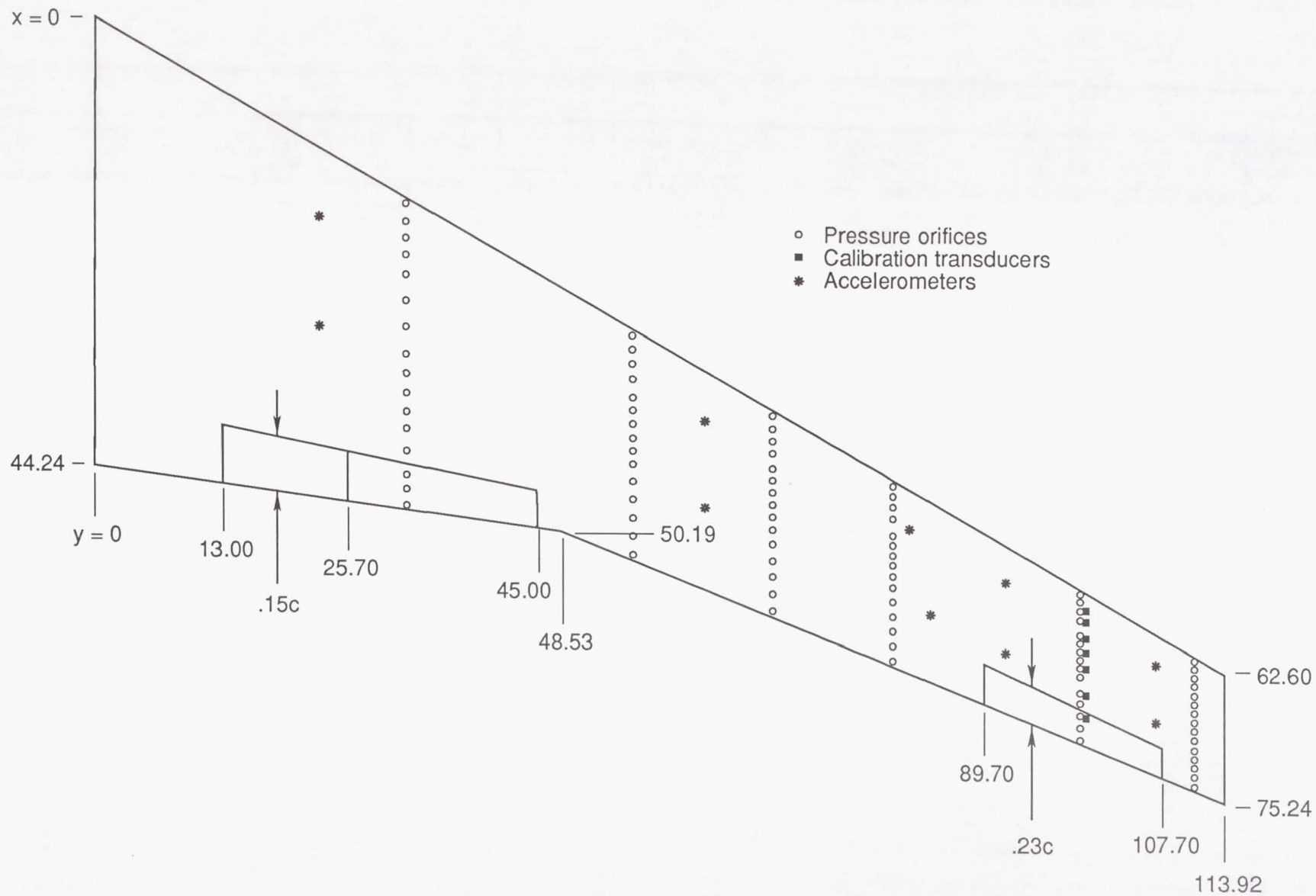


Figure 3. Sketch of wing planform. All dimensions are in inches.

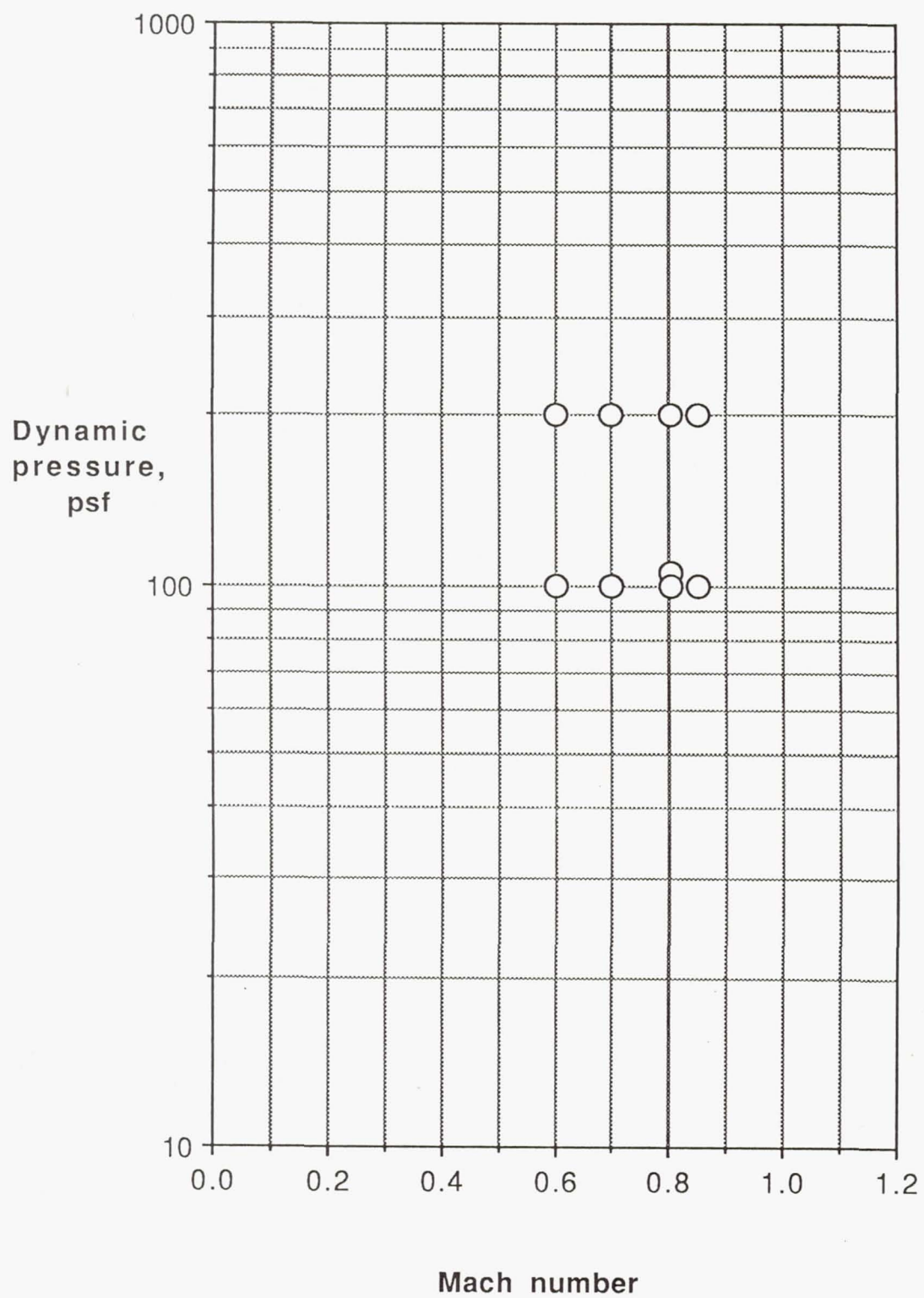


Figure 4. Wind tunnel test conditions.